



Public Works and
Government Services - EL
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique
- division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT - CONTRAT

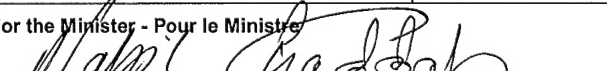
Your proposal is accepted to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price or prices set out therefor.

Nous acceptons votre proposition de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans les présentes, et aux annexes ci-jointes, les biens, services et construction énumérés dans les présentes, et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur
102444452PG0013
IBM CANADA LIMITED/IBM CANADA LIMITÉE
3755 Riverside Drive
Ottawa
Ontario
K1G4K9
Canada

Title - Sujet RFP- Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/001/EL	Date 2017-01-30
Client Reference No. - N° de référence du client 1000322116	
Requisition No. - N° de la demande 47060-152116	
File No. - N° de dossier 615el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Code(s) Code(s) financier(s) 1911-100-10 20008576 2547/34201	GST/HST TPS/TVH <input type="checkbox"/>
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Ghaddab, Nabil	Buyer Id - Id de l'acheteur 615el
Telephone No. - N° de téléphone (973) 469-4984 ()	FAX No. - N° de FAX () -
Total Estimated Cost - Coût total estimatif \$1,756,358.10	Currency Type - Devise CAD
For the Minister - Pour le Ministre 	



Purchasing Office - Bureau des achats:

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Total Estimated Cost - Coût total estimatif \$1,756,358.10	Currency Type - Devise CAD
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**CONTRACT AGAINST A SUPPLY ARRANGEMENT FOR TASK- BASED
INFORMATICS PROFESSIONAL SERVICES (TBIPS)**

FOR

**VARIOUS RESOURCE CATEGORIES – LEVEL 3
(SEE HEREIN)**

ON BEHALF OF

THE CANADA BORDER SERVICES AGENCY

This document contains a security requirement

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List of Annexes to the Resulting Contract:

- Annex A - Statement of Work
 - Appendix A – Non-Functional Requirements
 - Appendix B – Acronyms
 - Appendix C – Glossary
 - Appendix D – Tasking Assessment Procedure
 - Appendix E – Task Authorization (TA) Form
 - Appendix F – Resources Assessment Criteria and Response Table
 - Appendix G – Certifications at the TA Stage
- Annex B - Basis of Payment
- Annex C - Security Requirements Check List
- Annex D – Non-Disclosure Agreement

1. Requirement

- (a) **IBM Canada Limited** (the "**Contractor**") agrees to supply to the Client the services described in the Contract, including the Statement of Work, in accordance with, and at the prices set out in, the Contract. This includes providing professional services as and when requested by Canada, to one or more locations to be designated by Canada, excluding any locations in areas subject to any of the Comprehensive Land Claims Agreements.
- (b) **Client:** Under the Contract, the "**Client**" is Canada Border Services Agency (CBSA).
- (c) **Reorganization of Client:** The Contractor's obligation to perform the Work will not be affected by (and no additional fees will be payable as a result of) the renaming, reorganization, reconfiguration, or restructuring of any Client. The reorganization, reconfiguration and restructuring of the Client includes the privatization of the Client, its merger with another entity, or its dissolution, where that dissolution is followed by the creation of another entity or entities with mandates similar to the original Client. In connection with any form of reorganization, Canada may designate another department or government body as the Contracting Authority or Project Authority, as required to reflect the new roles and responsibilities associated with the reorganization.
- (d) **Defined Terms:** Words and expressions defined in the General Conditions or Supplemental General Conditions and used in the Contract have the meanings given to them in the General Conditions or Supplemental General Conditions. Any reference to an Identified User in the Supply Arrangement is a reference to the Client. Also, any reference to a "deliverable" or "deliverables" includes all documentation outlined in this Contract. A reference to a "local office" of the Contractor means an office having at least one full time employee that is not a shared resource working at that location.

2. Task Authorization

- (a) **As-and-when-requested Task Authorizations:** The Work or a portion of the Work to be performed under the Contract will be on an "as-and-when-requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract. The Contractor must not commence work until a validly issued TA has been issued by Canada and received by the Contractor. The Contractor acknowledges that any work performed before such issuance and receipt will be done at the Contractor's own risk.
- (b) **Assessment of Resources Proposed at TA Stage:** Processes for issuing, responding to and assessing Task Authorizations are further detailed in Appendices D, E, F and G of Annex A.
- (c) **Form and Content of draft Task Authorization:**
 - (i) The Project Authority will provide the Contractor with a description of the task in a draft Task Authorization using the form specified in Annex A.
 - (ii) The draft Task Authorization will contain the details of the activities to be performed, and must also contain the following information:
 - (A) the task number;
 - (B) The date by which the Contractor's response must be received (which will appear in the draft Task Authorization, but not the issued Task Authorization);
 - (C) the details of any financial coding to be used;
 - (D) the categories of resources and the number required;
 - (E) a description of the work for the task outlining the activities to be performed and identifying any deliverables (such as reports);
 - (F) the start and completion dates;
 - (G) milestone dates for deliverables and payments (if applicable);

- (H) the number of person-days of effort required;
 - (I) whether the work requires on-site activities and the location;
 - (J) the language profile of the resources required;
 - (K) the level of security clearance required of resources;
 - (L) the price payable to the Contractor for performing the task under a maximum TA price (the TA must indicate how the final amount payable will be determined; where the TA does not indicate how the final amount payable will be determined, the amount payable is the amount, up to the maximum, that the Contractor demonstrates was actually worked on the project, by submitting time sheets filled in at the time of the work by the individual resources to support the charges); and
 - (M) any other constraints that might affect the completion of the task.
- (d) **Contractor's Response to Draft Task Authorization:** The Contractor must provide to the Project Authority, within 3 working days of receiving the draft Task Authorization (or within any longer time period specified in the draft TA), the proposed total price for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract. The Contractor's quotation must be based on the rates set out in the Contract. The Contractor will not be paid for preparing or providing its response or for providing other information required to prepare and validly issue the TA.
- (e) **Task Authorization Limit and Authorities for Validly Issuing Task Authorizations:**
 To be validly issued, a TA must include the following signatures:
- (A) for any TA, inclusive of revisions, with a value less than or equal to \$300,000.00 (excluding Applicable Taxes), the TA must be signed by the Project Authority; and
 - (B) for any TA, inclusive of revisions, with a value greater than this amount, a TA must include the following signatures:
 - (1) the Project Authority; and
 - (2) the Contracting Authority.
- Any TA that does not bear the appropriate signature(s) is not validly issued by Canada. Any work performed by the Contractor without receiving a validly issued TA is done at the Contractor's own risk. If the Contractor receives a TA that is not appropriately signed, the Contractor must notify the Contracting Authority. By providing written notice to the Contractor, the Contracting Authority may suspend the Client's ability to issue TA's at any time, or reduce the dollar value threshold described in sub-article (i) above; any suspension or reduction notice is effective upon receipt.
- (f) **Periodic Usage Reports:**
- (i) The Contractor must compile and maintain records on its provision of services to the federal government under Task Authorizations validly issued under the Contract. The Contractor must provide this data to Canada in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "NIL" report. The data must be submitted on a quarterly basis to the Contracting Authority. From time to time, the Contracting Authority may also require an interim report during a reporting period.
 - (ii) The quarterly periods are defined as follows:
 - (A) 1st quarter: April 1 to June 30;
 - (B) 2nd quarter: July 1 to September 30;
 - (C) 3rd quarter: October 1 to December 31; and

(D) 4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 15 calendar days after the end of the reporting period.

- (iii) Each report must contain the following information for each validly issued TA (as amended):
 - (A) the Task Authorization number and the Task Authorization Revision number(s), if applicable;
 - (B) a title or a brief description of each authorized task;
 - (C) the name, Resource category and level of each resource involved in performing the TA, as applicable;
 - (D) the total estimated cost specified in the validly issued TA of each task, exclusive of Applicable Taxes;
 - (E) the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
 - (F) the start and completion date for each authorized task; and
 - (G) the active status of each authorized task, as applicable (e.g., indicate whether work is in progress or if Canada has cancelled or suspended the TA, etc.).

- (g) **Refusal of Task Authorizations or Submission of a Response which is not Valid:** The Contractor is not required to submit a response to every draft TA sent to it by Canada. However, in addition to Canada's other rights to terminate the Contract, Canada may immediately, and without further notice, terminate the Contract for default in accordance with the General Conditions if the Contractor in at least three instances has either not responded or has not submitted a valid response when sent a draft TA. For greater clarity, each draft TA, which is identifiable by its task number, will only count as one instance. A valid response is one that is submitted within the required time period and meets all requirements of the draft TA issued, including proposing the required number of resources who each meet the minimum experience and other requirements of the categories identified in the draft TA at pricing not exceeding the rates set out in Annex B.
- (h) **Consolidation of TA's for Administrative Purposes:** The Contract may be amended from time to time to reflect all validly issued Task Authorizations to date, to document the Work performed under those TA's for administrative purposes.

3. Minimum Work Guarantee

- (a) In this clause,
 - (i) **"Maximum Contract Value"** means the amount specified in the **"Limitation of Expenditure"** clause set out in the Contract (excluding Applicable Taxes); and
 - (ii) **"Minimum Contract Value"** means \$20,000.00.
- (b) Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with sub-article (c), subject to sub-article (d). In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract Period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.
- (c) In the event that Canada does not request work in the amount of the Minimum Contract Value during the Contract Period, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.

- (d) Canada will have no obligation to the Contractor under this article if Canada terminates the entire Contract
 - (i) for default;
 - (ii) for convenience as a result of any decision or recommendation of a tribunal or court that the contract be cancelled, re-tendered or awarded to another supplier; or
 - (iii) for convenience within ten business days of Contract award.

4. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

(a) General Conditions:

- (i) 2035 (2016-04-04), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.

With respect to Section 30 - Termination for Convenience, of General Conditions 2035, Subsection 04 is deleted and replaced with the following Subsections 04, 05 and 06:

- 4. The total of the amounts, to which the Contractor is entitled to be paid under this section, together with any amounts paid, due or becoming due to the Contractor must not exceed the Contract Price.
- 5. Where the Contracting Authority terminates the entire Contract and the Articles of Agreement include a Minimum Work Guarantee, the total amount to be paid to the Contractor under the Contract will not exceed the greater of:
 - (a) the total amount the Contractor may be paid under this section, together with any amounts paid, becoming due other than payable under the Minimum Revenue Guarantee, or due to the Contractor as of the date of termination, or
 - (b) the amount payable under the Minimum Work Guarantee, less any amounts paid, due or otherwise becoming due to the Contractor as of the date of termination.
- 6. The Contractor will have no claim for damages, compensation, loss of profit, allowance arising out of any termination notice given by Canada under this section except to the extent that this section expressly provides. The Contractor agrees to repay immediately to Canada the portion of any advance payment that is unliquidated at the date of the termination.

(b) Supplemental General Conditions:

The following Supplemental General Conditions:

- (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
- (ii) 4006 (2010-08-16), Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information;

apply to and form part of the Contract.

5. Security Requirement

(a) The following security requirements apply to and form part of the Contract:

- (i) The Contractor must, at all times during the performance of the Contract, hold a valid Facility Security Clearance at the level of SECRET, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).

- (ii) The Contractor personnel requiring access to PROTECTED/CLASSIFIED information, assets or sensitive work site(s) must EACH hold a valid personnel security screening at the level of **SECRET**, granted or approved by CISD/PWGSC.
- (iii) The Contractor MUST NOT remove any PROTECTED/CLASSIFIED information from the identified work site(s), and the Contractor must ensure that its personnel are made aware of and comply with this restriction.
- (iv) Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
- (v) The Contractor must comply with the provisions of the:
 - (A) Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - (B) *Industrial Security Manual* (Latest Edition).
- (b) Additional Security Requirement
 - (i) The CBSA, will conduct its own personnel Reliability Status assessment the Contractor (specifically the Contractor personnel), which is allowed under the Treasury Board Secretariat of Canada's (TBS) "Security and Contracting Management Standard" and the Policy on Government Security – Personnel Security Standard. Reliability Status assessment conducted by the CBSA will include a credit check.
 - (ii) If the Contractor (specifically the Contractor personnel), has already been screened under the TBS Policy on Government Security - Personnel Security Standard, the Contractor (specifically the Contractor personnel), will still undergo a security screening process to be conducted by the CBSA.
 - (iii) The credit check and fingerprinting, if required, will be performed by an authorized security official with the CBSA's "Personnel Security Screening Section" (PSSS), which is independent of the Public Works and Government Services Canada's (PWGSC), "Canadian and International Industrial Security Directorate" (CIISD).
 - (iv) Until the credit check, fingerprinting (if required) and all other security screening processes required have been completed and the Contractor (specifically the Contractor personnel) is deemed suitable by the CBSA, the Contractor (specifically the Contractor personnel) will not be permitted access to Protected / Classified information or assets, and further, will not be permitted to enter sites where such information or assets are kept.
- (c) The Company Security Officer (CSO) must ensure through the Industrial Security Program (ISP) that the Contractor and individual(s) hold a valid security clearance at the required level.

6. Contract Period

- (a) **Contract Period:** The "**Contract Period**" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:
 - (i) The "**Initial Contract Period**", which begins on the date the Contract is awarded and ends one year later; and
 - (ii) The period during which the Contract is extended, if Canada chooses to exercise any options set out in the Contract.
- (b) **Option to Extend the Contract:**
 - (i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to five additional one-year periods under the same terms and conditions.

The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

- (ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

7. Authorities

(a) Contracting Authority

The Contracting Authority for the Contract is:

Name: Nabil Ghaddab
 Title: Supply Specialist
 Public Works and Government Services Canada
 Acquisitions Branch
 Directorate: Space, Innovation, and Informatics Projects Directorate
 Address: 11 Laurier St., Gatineau, Québec
 Telephone: 873-469-4984
 E-mail address: nabil.ghaddab@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

(b) Project Authority

The Project Authority for the Contract is:

Erin Lapensee

Telephone: 343-291-6223

Email: Erin.Lapensee@cbsa-asfc.gc.ca

Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

In his absence, the Project Authority is:

Robert Penwarden

Telephone: 343-291-5669

Email: Robert.Penwarden@cbsa-asfc.gc.ca

Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

OR

Matthew Woods

Telephone: 343-291-5726

Email: Matthew.Woods@cbsa-asfc.gc.ca

Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

(c) Contractor's Representative

Name: Wayne Liepmann
Title: Solution Representative
Organization: IBM Canada Ltd.
Address: 3755 Riverside Drive, Ottawa, ON, K1G 4K9
Telephone:
E-mail address:

8. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental web sites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

9. Payment

(a) Basis of Payment

- (i) **Professional Services provided under a Task Authorization with a Maximum Price:** For professional services requested by Canada, in accordance with a validly issued Task Authorization, Canada will pay the Contractor, in arrears, up to the Maximum Price for the TA, for actual time worked and any resulting deliverables in accordance with the firm all-inclusive per diem rates set out in Annex B, Basis of Payment, Applicable Taxes extra. Partial days will be prorated based on actual hours worked based on a 7.5-hour workday.
- (ii) **Travel and Living Expenses – National Joint Council Travel Directive** The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive and with the other provisions of the directive referring to “travellers”, rather than those referring to “employees”. All travel must have the prior authorization of the Contracting Authority. Travel requests will only be considered for a work location which is located more than 100 kilometers from the National Capital Region. The Contractor will be paid for actual time spent travelling at half the hourly rate. The hourly rate will be determined by dividing the firm per diem rate set out in Annex B by 7.5 hours. All payments are subject to government audit.
- (iii) **Competitive Award:** The Contractor acknowledges that the Contract has been awarded as a result of a competitive process. No additional charges will be allowed to compensate for errors, oversights, misconceptions or underestimates made by the Contractor when bidding for the Contract.
- (iv) **Professional Services Rates:** In Canada's experience, bidders from time to time propose rates at the time of bidding for one or more Resource Categories that they later refuse to honour, on the basis that these rates do not allow them to recover their own costs and/or make a profit. This denies Canada of the benefit of the awarded contract. If the Contractor does not respond or refuses to provide an individual with the qualifications described in the Contract within the time described in the Contract (or proposes instead to provide someone from an alternate category at a different rate), whether or not Canada terminates the Contract as a whole or in part or chooses to exercise any of the

rights provided to it under the general conditions, Canada may impose sanctions or take other measures in accordance with the PWGSC Vendor Performance Corrective Measure Policy (or equivalent) then in effect, which measures may include an assessment that results in conditions applied against the Contractor to be fulfilled before doing further business with Canada, or full debarment of the Contractor from bidding on future requirements.

(b) **Limitation of Expenditure – Cumulative Total of all Task Authorizations**

- (i) Canada's total liability to the Contractor under the Contract for all validly issued Task Authorizations (TAs), inclusive of any revisions, must not exceed the amount set out on page 1 of the Contract, less any Applicable taxes. With respect to the amount set out on page 1 of the Contract, Customs duties are excluded and Applicable Taxes are included
- (ii) No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
- (iii) The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (A) when it is 75 percent committed, or
 - (B) 4 months before the contract expiry date, or
 - (C) As soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all authorized TAs, inclusive of any revisions, whichever comes first.
- (iv) If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Providing this information does not increase Canada's liability.

(c) **Method of Payment for Task Authorizations with a Maximum Price:** For each Task Authorization validly issued under the Contract that contains a maximum price:

- (i) Canada will pay the Contractor no more frequently than once a month in accordance with the Basis of Payment. The Contractor must submit time sheets for each resource showing the days and hours worked to support the charges claimed in the invoice.
- (ii) Once Canada has paid the maximum TA price, Canada will not be required to make any further payment, but the Contractor must complete all the work described in the TA, all of which is required to be performed for the maximum TA price. If the work described in the TA is completed in less time than anticipated, and the actual time worked (as supported by the time sheets) at the rates set out in the Contract is less than the maximum TA price, Canada is only required to pay for the time spent performing the work related to that TA.

(d) **Time Verification**

Time charged and the accuracy of the Contractor's time recording system are subject to verification by Canada, before or after payment is made to the Contractor. If verification is done after payment, the Contract must repay any overpayment, at Canada's request.

(e) **Payment Credits**

(i) **Failure to Provide Resource:**

- (A) If the Contractor does not provide a required professional services resource that has all the required qualifications within the time prescribed by the Contract, the Contractor must credit to Canada an amount equal to the per diem rate (based on a 7.5-hour workday) of the required resource for each day (or partial day) of delay in providing the resource, up to a maximum of 10 days.

- (B) **Corrective Measures:** If credits are payable under this Article for two consecutive months or for three months in any 12-month period, the Contractor must submit a written action plan describing measures it will implement or actions it will undertake to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority and 20 working days to rectify the underlying problem.
- (C) **Termination for Failure to Meet Availability Level:** In addition to any other rights it has under the Contract, Canada may terminate the Contract for default in accordance with the General Conditions by giving the Contractor three months' written notice of its intent, if any of the following apply:
 - (1) the total amount of credits for a given monthly billing cycle reach a level of 10% of the total billing for that month; or
 - (2) the corrective measures required of the Contractor described above are not met.

This termination will be effective when the three month notice period expires, unless Canada determines that the Contractor has implemented the corrective measures to Canada's satisfaction during those three months.

- (ii) **Credits Apply during Entire Contract Period:** The Parties agree that the credits apply throughout the Contract Period.
- (iii) **Credits represent Liquidated Damages:** The Parties agree that the credits are liquidated damages and represent their best pre-estimate of the loss to Canada in the event of the applicable failure. No credit is intended to be, nor will it be construed as, a penalty.
- (iv) **Canada's Right to Obtain Payment:** The Parties agree that these credits are a liquidated debt. To collect the credits, Canada has the right to hold back, draw back, deduct or set off from and against any money Canada owes to the Contractor from time to time.
- (v) **Canada's Rights & Remedies not Limited:** The Parties agree that nothing in this Article limits any other rights or remedies to which Canada is entitled under the Contract (including the right to terminate the Contract for default) or under the law generally.
- (vi) **Audit Rights:** The Contractor's calculation of credits under the Contract is subject to verification by government audit, at the Contracting Authority's discretion, before or after payment is made to the Contractor. The Contractor must cooperate fully with Canada during the conduct of any audit by providing Canada with access to any records and systems that Canada considers necessary to ensure that all credits have been accurately credited to Canada in the Contractor's invoices. If an audit demonstrates that past invoices contained errors in the calculation of the credits, the Contractor must pay to Canada the amount the audit reveals was required to be credited to Canada, plus interest, from the date Canada remitted the excess payment until the date of the refund (the interest rate is the Bank of Canada's discount annual rate of interest in effect on the date the credit was first owed to Canada, plus 1.25% per year). If, as a result of conducting an audit, Canada determines that the Contractor's records or systems for identifying, calculating or recording the credits are inadequate, the Contractor must implement any additional measures required by the Contracting Authority.
- (f) **No Responsibility to Pay for Work not performed due to Closure of Government Offices**
 - (i) Where the Contractor, its employees, subcontractors, or agents are providing services on government premises under the Contract and those premises are inaccessible because of the evacuation or closure of government offices, and as a result no work is performed, Canada is not responsible for paying the Contractor for work that otherwise would have been performed if there had been no evacuation or closure.

- (ii) If, as a result of any strike or lock-out, the Contractor or its employees, subcontractors or agents cannot obtain access to government premises and, as a result, no work is performed, Canada is not responsible for paying the Contractor for work that otherwise would have been performed if the Contractor had been able to gain access to the premises

10. Invoicing Instructions

- (a) The Contractor must submit invoices in accordance with the information required in the General Conditions.
- (b) The Contractor's invoice must include a separate line item for each subparagraph in the Basis of Payment provision, and must show all applicable Task Authorization numbers.
- (c) By submitting invoices, the Contractor is certifying that the goods and services have been delivered and that all charges are in accordance with the Basis of Payment provision of the Contract, including any charges for work performed by subcontractors.
- (d) The Contractor must provide the original to CBSA National Invoice Receiving Unit (Vendors-Fournisseurs@cbsa-asfc.gc.ca) for processing, and a copy to the Contracting Authority.

11. Certifications

The continuous compliance with the certifications provided by the Contractor in its bid, any TA quotation and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire Contract Period. If the Contractor does not comply with any certification, or fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

12. Federal Contractors Program for Employment Equity - Default by Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

13. Copyright In Material

- (a) In this section, "Material" means anything that is created by the Contractor as part of the Work under the Contract that is required by the Contract to be delivered to Canada and in which copyright subsists, excluding any computer software code and all documentation manuals or guides intended to assist end users or technicians in respect of that code. "Material" does not include anything created by the Contractor before the award date of the Contract.
- (b) Copyright in the Material belongs to Canada and the Contractor must include the copyright symbol and either of the following notice on the Material: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
- (c) The Contractor must not use, copy, divulge or publish any Material except as is necessary to perform the Contract. The Contractor must execute any conveyance and other documents relating to copyright in the Material as Canada may require.
- (d) The Contractor must provide at the request of Canada a written permanent waiver of moral rights, in a form acceptable to Canada, from every author that contributed to the Material. If the Contractor is the author of the Material, the Contractor permanently waives its moral rights in the Material.

14. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

15. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the following list, the wording of the document that first appears on the list has priority over the wording of any document that appears later on the list:

- (a) these Articles of Agreement, including any individual SACC clauses incorporated by reference in these Articles of Agreement;
- (b) Supplemental General Conditions, in the following order:
 - (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
 - (ii) 4006 (2010-08-16), Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information;
- (c) General Conditions 2035 (2016-04-04), Higher Complexity - Services;
- (d) Annex A, Statement of Work - Annex A including its Appendices as follows:
 - (i) Appendix D to Annex A - Tasking Assessment Procedure;
 - (ii) Appendix E to Annex A - Task Authorization (TA) Form;
 - (iii) Appendix F to Annex A - Resource Assessment Criteria and Response Table;
 - (iv) Appendix G to Annex A - Certifications at the TA stage;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List);
- (g) Annex D, Non-Disclosure Agreement;
- (h) the validly issued Task Authorizations and any required certifications (including all of their annexes, if any); and
- (i) the Contractor's bid dated November 7, 2016.

16. Foreign Nationals (Canadian Contractor)

- (a) SACC Manual clause A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)

17. Insurance Requirements

(a) Compliance with Insurance Requirements

- (i) The Contractor must comply with the insurance requirements specified in this Article. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.
- (ii) The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.
- (iii) The Contractor should forward to the Contracting Authority within ten (10) days after the date of award of the Contract a Certificate of Insurance evidencing the insurance coverage. Coverage must be placed with an Insurer licensed to carry out business in Canada and the Certificate of Insurance must confirm that the insurance policy complying

with the requirements is in force. If the Certificate of Insurance has not been completed and submitted as requested, the Contracting Authority will so inform the Contractor and provide the Contractor with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within the time period will constitute a default under the General Conditions. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

(b) **Commercial General Liability Insurance**

- (i) The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
- (ii) The Commercial General Liability policy must include the following:
 - (A) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - (B) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - (C) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - (D) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - (E) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - (F) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - (G) Employees and, if applicable, Volunteers must be included as Additional Insured.
 - (H) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - (I) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - (J) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - (K) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - (L) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.

- (M) Advertising Injury: While not limited to, the endorsement must include coverage for piracy or misappropriation of ideas, or infringement of copyright, trademark, title or slogan.

(c) **Errors and Omissions Liability Insurance**

- (i) The Contractor must obtain Errors and Omissions Liability (a.k.a. Professional Liability) insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature but for not less than \$1,000,000 per loss and in the annual aggregate, inclusive of defence costs.
- (ii) If the Professional Liability insurance is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- (iii) The following endorsement must be included:
 Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

18. Limitation of Liability - Information Management/Information Technology

- (a) This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees. This section applies regardless of whether the claim is based in contract, tort, or another cause of action. The Contractor is not liable to Canada with respect to the performance of or failure to perform the Contract, except as described in this section and in any section of the Contract pre-establishing any liquidated damages. The Contractor is only liable for indirect, special or consequential damages to the extent described in this Article, even if it has been made aware of the potential for those damages.
- (b) **First Party Liability:**
 - (i) The Contractor is fully liable for all damages to Canada, including indirect, special or consequential damages, caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any infringement of intellectual property rights to the extent the Contractor breaches the section of the General Conditions entitled "Intellectual Property Infringement and Royalties";
 - (B) physical injury, including death.
 - (ii) The Contractor is liable for all direct damages caused by the Contractor's performance or failure to perform the Contract affecting real or tangible personal property owned, possessed, or occupied by Canada.
 - (iii) Each of the Parties is liable for all direct damages resulting from any breach of confidentiality under the Contract. Each of the Parties is also liable for all indirect, special or consequential damages in respect of any unauthorized disclosure of the other Party's trade secrets (or trade secrets of a third party provided by one Party to another under the Contract) relating to information technology.
 - (iv) The Contractor is liable for all direct damages relating to any encumbrance or claim relating to any portion of the Work for which Canada has made any payment. This does not apply to encumbrances or claims relating to intellectual property rights, which are addressed under (i)(A) above.

- (v) The Contractor is also liable for any other direct damages to Canada caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any breach of the warranty obligations under the Contract, up to the total amount paid by Canada (including any applicable taxes) for the goods and services affected by the breach of warranty; and
 - (B) Any other direct damages, including all identifiable direct costs to Canada associated with re-procuring the Work from another party if the Contract is terminated either in whole or in part for default, up to an aggregate maximum for this subparagraph (B) of the greater of .75 times the total estimated cost (meaning the dollar amount shown on the first page of the Contract in the cell titled "Total Estimated Cost" or shown on each call-up, purchase order or other document used to order goods or services under this instrument), or \$1,000,000.00.

In any case, the total liability of the Contractor under subparagraph (v) will not exceed the total estimated cost (as defined above) for the Contract or \$1,000,000.00, whichever is more.

- (vi) If Canada's records or data are harmed as a result of the Contractor's negligence or willful act, the Contractor's only liability is, at the Contractor's own expense, to restore Canada's records and data using the most recent back-up kept by Canada. Canada is responsible for maintaining an adequate back-up of its records and data.

(c) **Third Party Claims:**

- (i) Regardless of whether a third party makes its claim against Canada or the Contractor, each Party agrees that it is liable for any damages that it causes to any third party in connection with the Contract as set out in a settlement agreement or as finally determined by a court of competent jurisdiction, where the court determines that the Parties are jointly and severally liable or that one Party is solely and directly liable to the third party. The amount of the liability will be the amount set out in the settlement agreement or determined by the court to have been the Party's portion of the damages to the third party. No settlement agreement is binding on a Party unless its authorized representative has approved the agreement in writing.
- (ii) If Canada is required, as a result of joint and several liability or joint and solidarily liable, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada by the amount finally determined by a court of competent jurisdiction to be the Contractor's portion of the damages to the third party. However, despite Sub-article (i), with respect to special, indirect, and consequential damages of third parties covered by this Section, the Contractor is only liable for reimbursing Canada for the Contractor's portion of those damages that Canada is required by a court to pay to a third party as a result of joint and several liability that relate to the infringement of a third party's intellectual property rights; physical injury of a third party, including death; damages affecting a third party's real or tangible personal property; liens or encumbrances on any portion of the Work; or breach of confidentiality.
- (iii) The Parties are only liable to one another for damages to third parties to the extent described in this Sub-article (c).

19. Professional Services - General

- (a) The Contractor must provide professional services on request as specified in this Contract. All resources provided by the Contractor must meet the qualifications described in the Contract (including those relating to previous experience, professional designation, education, language proficiency and security clearance) and must be competent to provide the required services by any delivery dates described in the Contract.

- (b) If the Contractor fails to deliver any deliverable (excluding delivery of a specific individual) or complete any task described in the Contract on time, in addition to any other rights or remedies available to Canada under the Contract or the law, Canada may notify the Contractor of the deficiency, in which case the Contractor must submit a written plan to the Project Authority within ten working days detailing the actions that the Contractor will undertake to remedy the deficiency. The Contractor must prepare and implement the plan at its own expense.
- (c) In General Conditions 2035, the Article titled "Replacement of Specific Individuals" is deleted and the following applies instead:

Replacement of Specific Individuals

- (i) If the Contractor is unable to provide the services of any specific individual identified in the Contract to perform the services, the Contractor must within five working days of having this knowledge, the individual's departure or failure to commence Work (or, if Canada has requested the replacement, within ten working days of Canada's notice of the requirement for a replacement) provide to the Contracting Authority:
 - (A) the name, qualifications and experience of a proposed replacement immediately available for Work; and
 - (B) security information on the proposed replacement as specified by Canada, if applicable.

The replacement must have qualifications and experience that meet or exceed those obtained for the original resource.

- (ii) Subject to an Excusable Delay, where Canada becomes aware that a specific individual identified under the Contract to provide services has not been provided or is not performing, the Contracting Authority may elect to:
 - (A) exercise Canada's rights or remedies under the Contract or at law, including terminating the Contract in whole or in part for default under the Article titled "Default of the Contractor", or
 - (B) assess the information provided under (c) (i) above or, if it has not yet been provided, require the Contractor to propose a replacement to be rated by the Project Authority. The replacement must have qualifications and experience that are similar or exceed those obtained for the original resource and be acceptable to Canada. Upon assessment of the replacement, Canada may accept the replacement, exercise the rights in (ii) (A) above, or require another replacement in accordance with this sub-article (c).

Where an Excusable Delay applies, Canada may require (c) (ii) (B) above instead of terminating under the "Excusable Delay" Article. An Excusable Delay does not include resource unavailability due to allocation of the resource to another Contract or project (including those for the Crown) being performed by the Contractor or any of its affiliates.

- (iii) The Contractor must not, in any event, allow performance of the Work by unauthorized replacement persons. The Contracting Authority may order that an original or replacement resource stop performing the Work. In such a case, the Contractor must immediately comply with the order. The fact that the Contracting Authority does not order a resource to stop performing the Work does not relieve the Contractor from its responsibility to meet the requirements of the Contract.
- (iv) The obligations in this article apply despite any changes that Canada may have made to the Client's operating environment.

20. Safeguarding Electronic Media

- (a) Before using them on Canada's equipment or sending them to Canada, the Contractor must use a regularly updated product to scan electronically all electronic media used to perform the Work

for computer viruses and other coding intended to cause malfunctions. The Contractor must notify Canada if any electronic media used for the Work are found to contain computer viruses or other coding intended to cause malfunctions.

- (b) If magnetically recorded information or documentation is damaged or lost while in the Contractor's care or at any time before it is delivered to Canada in accordance with the Contract, including accidental erasure, the Contractor must immediately replace it at its own expense.

21. Representations and Warranties

The Contractor made statements regarding its own and its proposed resources' experience and expertise in its bid that resulted in the award of the Contract and the issuance of TA's. The Contractor represents and warrants that all those statements are true and acknowledges that Canada relied on those statements in awarding the Contract and adding work to it through TA's. The Contractor also represents and warrants that it has, and all its resources and subcontractors that perform the Work have, and at all times during the Contract Period they will have and maintain, the skills, qualifications, expertise and experience necessary to perform and manage the Work in accordance with the Contract, and that the Contractor (and any resources or subcontractors it uses) has previously performed similar services for other customers.

22. Access to Canada's Property and Facilities

Canada's property, facilities, equipment, documentation, and personnel are not automatically available to the Contractor. If the Contractor would like access to any of these, it is responsible for making a request to the Project Authority. Unless expressly stated in the Contract, Canada has no obligation to provide any of these to the Contractor. If Canada chooses, in its discretion, to make its property, facilities, equipment, documentation or personnel available to the Contractor to perform the Work, Canada may require an adjustment to the Basis of Payment and additional security requirements may apply.

23. Government Property

Canada agrees to supply the Contractor with the items listed in Sections 9. Client Support and 12. Technical Environment of Annex A, Statement of Work (the "**Government Property**"). The section of the General Conditions entitled "Government Property" also applies to the use of the Government Property by the Contractor.

24. Identification Protocol Responsibilities

The Contractor will be responsible for ensuring that each of its agents, representatives or subcontractors (hereinafter referred to as Contractor Representatives) complies with the following self-identification requirements:

- (a) Contractor Representatives who attend a Government of Canada meeting (whether internal or external to Canada's offices) must identify themselves as Contractor Representatives prior to the commencement of the meeting, to ensure that each meeting participant is aware of the fact that the individual is not an employee of the Government of Canada;
- (b) During the performance of any Work at a Government of Canada site, each Contractor Representative must be clearly identified at all times as being a Contractor Representative; and
- (c) If a Contractor Representative requires the use of the Government of Canada's e-mail system in the performance of the Work, then the individual must clearly identify him or herself as an agent or subcontractor of the Contractor in all electronic mail in the signature block as well as under "Properties." This identification protocol must also be used in all other correspondence, communication, and documentation.
- (d) If Canada determines that the Contractor is in breach of any obligation stated in this Article, upon written notice from Canada the Contractor must submit a written action plan describing corrective measures it will implement to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority, and twenty working days to rectify the underlying problem.

- (e) In addition to any other rights it has under the Contract, Canada may terminate the Contract for default if the corrective measures required of the Contractor described above are not met.

ANNEX A
STATEMENT OF WORK

(SEE ATTACHED HERETO)

ANNEX B BASIS OF PAYMENT

1. Professional Services

In accordance with the Contract, the Contractor will be paid the following firm all-inclusive per diem rates for work performed pursuant to this Contract, Applicable Taxes extra.

Initial Contract Period:

Initial Contract Period From January 30, 2017 to January 29 2018		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

Option Periods:

Option Period 1 From January 30, 2018 to January 29 2019		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

Option Period 2 From January 30, 2019 to January 29 2020		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

Option Period 3 From January 30, 2020 to January 29 2021		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

Option Period 4 From January 30, 2021 to January 29 2022		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

Option Period 5 From January 30, 2022 to January 29 2023		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Application/Software Architect - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Business Process Management (BPM) Advanced	LEVEL 3	
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and ODM Advanced (including the Event Management System (EMS))	LEVEL 3	
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	LEVEL 3	
Technology Architect - IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management	LEVEL 3	

ANNEX C
SECURITY REQUIREMENTS CHECK LIST

(SEE ATTACHED HERETO)

ANNEX D

Non-Disclosure Agreement

I, _____, recognize that in the course of my work as an employee or subcontractor of _____, I may be given access to information by or on behalf of Canada in connection with the Work, pursuant to Contract No. #_____ between Her Majesty the Queen in right of Canada, represented by the President of the CBSA and _____, including any information that is confidential or proprietary to third parties, and information conceived, developed or produced by the Contractor as part of the Work. For the purposes of this agreement, information includes but not limited to: any documents, instructions, guidelines, data, material, advice or any other information whether received orally, in printed form, recorded electronically, or otherwise and whether or not labeled as proprietary or sensitive, that is disclosed to a person or that a person becomes aware of during the performance of the Contract.

I agree that I will not reproduce copy, use, divulge, release or disclose, in whole or in part, in whatever way or form any information described above to any person other than a person employed by Canada on a need to know basis. I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of or access to such information in contravention of this agreement.

I also acknowledge that any information provided to the Contractor by or on behalf of Canada must be used solely for the purpose of the Contract and must remain the property of Canada or a third party, as the case may be.

I agree that the obligation of this agreement will survive the completion of the Contract No. #_____.

Signature

Date

Annex A - Statement of Work (SOW)

Acquisition of Professional Services for SOAPS-MDMS-ERASS

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1. Introduction

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various key initiatives (e.g. Beyond the Border, Entry-Exit, Biometrics, Generic Passage Flow), and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

In order to advance the planning, development and implementation of the CBSA's transformation agenda, ISTB has implemented an enterprise approach to the management of its portfolio of systems, projects and services. The following key steps have been taken to implement this enterprise approach to portfolio management:

- The creation of ISTB Service Portfolio Directorates – Corporate, Commercial, Traveler and Common Services;
- The implementation of a Service Life Cycle Management Framework (SLMF) to help align the provision of ISTB services with the needs of CBSA. The SLMF is used to integrate the methods, processes, roles and responsibilities within ISTB with CBSA's business strategy to deliver value. The SLMF establishes a baseline from which ISTB can plan, build, operate, manage and evolve services; and
- The alignment and implementation of the following frameworks: Project Management, Project Portfolio and Service Life Cycle Management.

As part of this transformation the Common Services Portfolio has been created with the mandate of leading key projects to deliver various new enterprise building block capabilities and services for CBSA. These projects include Service Oriented Architecture Platform Services (SOAPS), Master Data Management Services (MDMS), and Enterprise Risk Assessment Support Services (ERASS). Together, they will provide enterprise back-end capabilities for Entry-Exit and other key CBSA initiatives.

2. Background

The Common Services Portfolio has a mandate to plan, lead and stand up, in multiple releases, key mission-critical, large-scale, high-volume foundational services to deliver increased horizontal capabilities and services for CBSA. The services to be implemented are Service Oriented Architecture Platform Services (SOAPS), Master Data Management Services (MDMS), and Enterprise Risk Assessment Support Services (ERASS).

The delivery of these foundational services will allow CBSA to increase its ability to meet its security obligations and provide both efficient and effective management of its resources in support of risk management and assessment activities.

2.1 SOAPS

SOA will enable reusable, horizontal enterprise services providing modern, robust, and agile IT services. The CBSA SOA services will be realized by integrating a number of Commercial Off-the-Shelf (COTS) products, augmented by custom development for capabilities not readily available in the market.

The SOA platform services will be a cornerstone of CBSA's information technology systems to promote the development of horizontal services within the enterprise, they will enable re-use of common business function.

These platform services will be used by CBSA Lines of business (LOB) initiatives to develop and deploy IT-enabled business services. COTS products, ESB IBM Integrated Bus (IIB), IBM Business Process Manager (BPM), IBM Operational Decision Manager (ODM) Standard, and IBM Operational Decision Manager (ODM) Advanced will be used to enable and support the SOA platform services.

2.2 MDMS

MDM will become the authoritative system of record for CBSA's people and business tombstone data and will be critical in enabling a 360 degree view of people and businesses. After the MDM system is put in place, all systems at CBSA will have the ability to integrate with the MDM solution when requiring access to people and business tombstone data.

Stewards responsible for maintaining the MDM data quality will be put in place as part of the initiative and will align to the overall direction for data governance to be provided by the Enterprise Data Governance initiative.

An ingestion service based on IBM InfoSphere DataStage and QualityStage COTS, under the IBM InfoSphere Information server (IIS) product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

The MDMS requires the use of the following architecture components:

- The Master Data Management (MDM) component will provide services to maintain and search party information (businesses and people) as well as a user interface to govern the mastered data (data stewardship interface).
- The Data Preparation and Loading Service (DPLS) component will provide services to extract, cleanse, standardize, transform and ingest data during initial load as well as ongoing operational processes.

2.3 ERASS

Enterprise Risk Assessment Support Service (ERASS) will build upon the SOA platform to deliver the Entity Resolution and Search Service providing enterprise services in support of the CBSA risk assessment landscape.

Its primary services relate to identity resolution, fuzzy search, and federated search of information related to a specified person across multiple LOB systems. ERASS is dependent on MDMS and SOAPS as a result of service provisioning and utilization amongst them.

ERASS will leverage MDMS for entity resolution, data preparation, and data loading services. ERASS will also require the ESB component within SOAPS to host the public interface and processes that comprise the services offered by ERASS.

Additionally, ERASS could make use of Informatica SSA Name 3 as a component of the Fuzzy Search Service. Relationship resolution is an additional service offered by ERASS which will provide obvious and non-obvious relationship discovery capabilities for ingested entities. The Relationship Resolution Service (RRS) will require IBM's InfoSphere Identity Insight (ISII) COTS software product as an architecture component.

2.4 Travellers – Entry-Exit

Entry-Exit will be the initial on-boarder to the components included in the SOA platform services. Entry-Exit is responsible for the development of a key Government of Canada commitment under the Canada US Border Action plan, to create a Canadian entry and exit information system which will, ultimately, provide a valuable new source of information with potential benefits for security, law enforcement and program integrity. The key deliverables of the Entry-Exit Project rely on the ability to identify individuals and recognize if they are known or unknown to CBSA.

The delivery of the Entry-Exit project is dependent on the components found in the SOA platform services. Entry-Exit will leverage the SOA and MDM components to deliver the following:

- Calculating duration of complete Entry to Exit Events.
- Calculating duration of complete Exit to Entry Events
- Calculating duration of open Exit Events.
- Calculating duration of open Entry Events.
- Calculating complete events over specified periods of time.
- Reconciliation of data from multiple sources to create an Entry or Exit Event.
- Determination of mode of transportation.
- Enhanced people name searching and matching support;
- Identity resolution for entities that exist in multiple databases;
- Relationship resolution for entities across multiple databases, and;
- Alerting.

An ingestion service based on IBM InfoSphere DataStage and QualityStage COTS, under the IIS product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

3. Objective

The specific objective of this procurement is to acquire the professional services on an as required basis to support the work of CBSA in the establishment and integration of the above mentioned key mission-critical foundational services, i.e. SOAPS, MDMS, and ERASS.

It is expected that the Contractor's resources will be used across CBSA. The resources will be involved in the architecture and design, development, configuration, testing, optimization, integration with other related components and systems, deployment, and support and maintenance of the above mentioned foundational services in a complex technical environment using the Crown-owned suite of commercial off-the-shelf (COTS) products.

4. Scope

The scope of work consists of the acquisition of professional services to provide guidance, expertise, deliverables, and assistance to perform the development, deployment, configuration, integration, and post-implementation maintenance support of the architecture components required for SOAPS, MDMS, and ERASS.

On an as and when requested basis, through the issuance of Task Authorizations (TAs), the Contractor must perform the tasks as described in section 7 below.

To realize this delivery within the time constraints, CBSA foresees a requirement for the assistance of professional services, starting from October 2016 until the end of March 2020, in the following domains: (1) architecture, (2) software development and configuration, (3) system analysis, (4) testing services, (5) business analysis, (6) IT Security, and (7) systems-solutions integration.

CBSA plans to iterate the delivery of the above-mentioned services through phases identified in section 5 below: (1) Planning, (2) Building, (3) Verification, (4) Production, (5) On-Boarding, (6) Maintenance. Each phase will include embedded controls and checkpoints and will require the work of professional services for which categories and tasks are identified below in sections 6 and 7. The resources may be required to perform tasks in any or all of the phases. These services need to be delivered in accordance with CBSA approved methodologies and frameworks.

4.1 Out of Scope – End-User Support

The Contractor will not be required to provide End-User Support following post-implementation of the architecture components required for SOAPS, MDMS, and ERASS.

5. Phases

The work delivery of the above-mentioned services will need to be performed iteratively through phases. Each phase has a set of expected deliverables. Note that there may be some overlap in the timing of the phases such that a later phase may begin before the prior phase has completed.

Deliverables may include but are not limited to the following:

1. Planning Phase – System Requirements Specifications (SRS), Architecture and Design Specification (ADS), System Use Cases (SUC), System Requirements Traceability Matrix (S-RTM), high level architecture, preliminary User Interface (UI) screens, and master test plan;
2. Building Phase – System components and integration, unit, integration and component test plan, development release notes, ADS, S-RTM, Test to System Requirements Traceability Matrix (TS-RTM), implementation schedule;
3. Verification Phase – Master test plan (fully defined), functional acceptance plan, verification test plan, verification test report, release notes, defects, build book, component and integration documentation, screen captures and hierarchy, ADS, TS-RTM, production implementation schedule;
4. Production Phase – SRS, comprehensive traceability matrix, master test plan, test reports, ADS, operations release guide, release notes, Service Level Agreements (SLAs), build book;
5. On-boarding Phase – client engagement plan, technical qualification and assessment, client readiness and development, integration endorsement and testing, production readiness assessment, implementation schedule, SRS, ADS, SUC;
6. Maintenance Phase – Maintenance system documentation, maintenance component and integration documentation, maintenance performance verification testing, operations services documentation, monitoring and reporting requirements.

6. Resource Categories

The table below identifies the categories of expert resources that CBSA anticipates requiring on an as and when requested basis.

TBIPS Category	Level of Expertise	Area of expertise
Programmer/Software Developer	3	Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)
	3	Specialty in IBM Business Process Management (BPM) Advanced
	3	Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced (including the Event Management System (EMS))

Application/Software Architect	3	Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)
	3	Specialty in IBM Business Process Management (BPM) Advanced
	3	Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced (including the Event Management System (EMS))
Test Coordinator	3	Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM Operational Decision Manager (ODM) Standard and Advanced
Technology Architect	3	IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management

7. Tasks and Activities

This section describes the categories of expert resources and the basic responsibilities for each that CBSA anticipates will be required to build, integrate, test, and deploy a large-scale integrated SOA, MDM, and ERASS foundation. The Contractor may be required to perform the tasks and produce the deliverables identified, but not limited to, the lists provided below. Each individual Task Authorization (TA) will detail the specific tasks and deliverables to be completed.

7.1 Programmer/Software Developer

The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.1.1 Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on developing rules for the IBM SOA Suite Integration Bus platform:
 - Integration of IBM IIB with other IBM SOA suite components (BPM, ODM Standard and Advanced) as well as current and future CBSA information systems;
 - Implementation of Integration solutions using IBM IIB including design, development, testing and deployment of Integration Applications, integration libraries and message flows; and
 - All aspects of testing of solutions developed for the IBM Integration Bus including functional, integration and performance testing.
- Develop best practices and development guidelines;
- Perform performance optimization of Message Flow solutions for IBM Integration Bus;
- Provide best practices and guidelines for component, integration, and performance testing of integration solutions implemented using the IBM IIB;
- Test planning for unit and component testing; and
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Deployable Integration Applications and libraries developed to CBSA Standards and using CBSA development infrastructure;
- Detailed Design documents for all customized code and configurations for IBM IIB – ESB related solution components;
- Best practices and guidelines documentation;
- Test Plans;
- IIB-related system use cases and system requirements documents; and
- Developer training material documentation.

7.1.2 Specialty in IBM Business Process Management (BPM) Advanced

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Integration of IBM BPM with other IBM SOA Suite components (IIB, ODM Standard and Advanced) as well as current and future CBSA information systems;
 - BPM performance optimization
 - Automated business process execution using IBM BPM including process analysis, process authoring, process application development, testing and deployment;
 - Performance optimization and troubleshooting;
- Provide best practices and development guidelines;
- Design and development of business process orchestrations targeted at the IBM SOA suite toolsets using the IBM SOA development toolsets; and
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Deployable business process applications developed to CBSA standards and using CBSA development infrastructure;
- Detailed design documents conforming to CBSA SLMF template requirements; more specifically the required ADS section for business process applications;
- Planning for and analysis of results from unit, component and other related test plans for business process applications;
- Documented guidelines and best practices related to business process development;
- BPM-related system use cases and system requirements; and
- Developer training material documentation.

7.1.3 Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (including the Event Management System (EMS))

Tasks (may include but not limited to the following) -

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Integration of ODM and ODM Advanced with other IBM SOA suite components (IIB and BPM) as well as current and future CBSA information systems;
 - Automated decision making using ODM Standard including rule development, rule flow development, rule application testing and deployment;
 - Automated triggering of business processes and notifications based on event pattern matching using ODM Advanced including event pattern design and development, event application testing and deployment;
 - Performance optimization and troubleshooting; and
 - Provide best practices and development guidelines.
- Planning for and analysis of results from unit, component and other related test plans for business rule applications;
- Assist CBSA with the design and development of:
 - Business Object Models (BOM); and
 - eXecution Object Models (XOM).
- Development of developer training material.

Deliverables (may include but not limited to the following) –

- Develop deployable business rule applications (including BOMs and XOMs as required) developed to CBSA standards using CBSA development infrastructure and processes.
- Detailed design documents conforming to CBSA SLMF template requirements (specifically the ADS Part 4) for business rule applications;
- Test plans;
- Developer training material documentation;
- Documented guidelines and best practices related to Business and Event Rule Development; and
- BRMS-related System Use Cases and system requirements.

7.2 Application/Software Architect

7.2.1 Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM IIB with other IBM SOA suite components (BPM, ODM Standard and Advanced) as well as with current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines;
 - IIB-ESB security frameworks and integration with CBSA security policy and identity stores; and

- Guidelines, standards and best practices for when to implement business processes on the IBM Integration Bus versus the IBM Business Process Management System.

Deliverables (may include but not limited to the following) –

- Best practices, guidelines, standards and procedure documentation for items listed in the task list using CBSA approved templates; and
- Architecture & Design documentation using CBSA approved templates.

7.2.2 Specialty in IBM Business Process Management (BPM) Advanced

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM BPM with other IBM SOA Suite components (IIB, ODM Standard and Advanced) as well as current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines;
 - BPM security frameworks and integration with CBSA security policy and identity stores; and
 - Guidelines, standards and best practices for when to implement business processes on the IBM Integration Bus versus the IBM Business Process Management (BPM) system.

Deliverables (may include but not limited to the following) –

- Best Practices, Guidelines, standards and procedure documentation for items listed in the task list using CBSA Approved templates; and
- Architecture & Design Documentation using CBSA approved templates.

7.2.3 Specialty in IBM Operational Decision Manager (ODM) standard and ODM Advanced (including the Event Management System (EMS))

Tasks (may include but not limited to the following) –

- Provide CBSA with expert technical expertise and guidance on the following topics:
 - Architecture that includes integration of IBM ODM and ODM Advanced with other IBM SOA Suite components (IIB, BPM) as well as current and future CBSA information systems;
 - Infrastructure and application architecture supporting high availability and disaster recovery;
 - Architecture best practices and guidelines; and
 - ODM security frameworks and integration with CBSA security policy and identity stores

Deliverables (may include but not limited to the following) –

- Best Practices, Guidelines, standards and procedure documentation for items listed in the task list using CBSA Approved templates; and
- Architecture & Design Documentation using CBSA approved templates.

7.3 Test Coordinator

The test coordinator must plan, manage, schedule, coordinate, and control testing activities for multiple integrated systems and products specifically the ones part of the IBM SOA stack. Product specific knowledge is also required as identified below. The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.3.1 Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM BPM, IBM IIS DataStage and QualityStage, IBM IIB-ESB, IBM ODM Standard and Advanced

Tasks (may include but not limited to the following) –

- Provide expertise in all aspects of testing applications developed on IBM SOA stack, including testing of one or many of the following IBM products: ESB flows in IIB, business process automation on IBM BPM, MDM, ISII, IIS, rules and event management in ODM Standard and Advanced;
- Provide advice, guidance for the development of a test strategy, test plans, test scenarios, test cases, unit tests including recommendations for the selection of automated testing tools, and identification of test environment and resources required for testing;
- Develop, prepare and deliver the following documentation: test strategy, test plans, test scenarios, test cases, and test reports templates
- Plan, organize, schedule, and coordinate testing efforts for large enterprise systems, including:
 - Integration testing with CBSA applications and other components including for example: ESB-IIB, ODM Standard, ODM Advanced, MDM, IIS, BPM Advanced, MQ, and HTTP and HTTPS;
 - User acceptance testing (e.g. stress tests);
 - Verification testing of the test environment and tools
 - Ensure alignment of test plan with System Requirements Traceability Matrix (S-RTM)
 - Detailed time and resource estimates required for testing
- Report on test execution and cycles by ensuring completion of test Reports and reporting of bugs found during testing in the bug management system; and
- Complete the test traceability matrix;

Deliverables (may include but not limited to the following) –

- Test Strategy, test plans, test scenarios, test cases;
- Test schedules, test reports, test logs, test traceability matrix;
- Test checklists;

- Test scripts; and
- Verification implementation plan and schedule.

7.4 Technology Architect

The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.4.1 IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management

Tasks (may include but not limited to the following) –

- Work with Software Configuration Management (SCM) team to provide technical solutions to support SCM processes;
- Conduct consultations with stakeholders aimed at firming up and documenting the required infrastructure design integrating IBM IIB and IBM ESB with cross-platform underpinning technologies;
- Implement and maintain SCM tools pertaining to IBM SOA products (IIB, BPM Advanced, ODM, ODM Advanced);
- Perform defect troubleshooting and root-cause analysis;
- Develop, implement and maintain automated build and deployment scripts;
- Install and configure applications in development and QA environments;
- Provide technical solutions for general SCM tasks such as change control, status accounting and auditing;
- Integration with ESB-IIB, MDM, ODM, ODM Advanced, BPM, ISII, MQ, HTTP, and HTTPS; and
- Provide training and support to end users of SCM tools.

Deliverables (may include but not limited to the following) –

- Installation and Configuration recommendations for the deployment of the IBM IIB – ESB and the customized code and configuration solution components for CBSA related infrastructure;
- Installation and configuration recommendations for the integration of ESB-IIB, MDM, ODM, ODM Advanced, and BPM;
- Capacity management plan and strategy;
- Availability, fail-over and recoverability strategies;
- Test cases, test plans and scripts as required;
- Operations guide(s) as required; and
- Other written deployment and implementation strategies as required.

8. Constraints

Professional resources procured through this vehicle will be expected to adhere to the CBSA operating model, following CBSA standards and processes to accomplish their project work. The Contractor's resources will be required to abide by architectural design documents which have been developed and approved prior to the commencement of their services such as Release Proposal, Architecture Design Specification, and System Use Cases. CBSA will provide copies of all templates and policies applicable after contract award.

The professional services resources will be integrated into and collaborating with various CBSA responsibility centers working alongside CBSA employees and other professional contracted resources of varying disciplinary backgrounds.

Knowledge transfer, application code developed for CBSA, and documentation as necessary is expected from all professional resources hired through this vehicle and is required to ensure that CBSA personnel have the knowledge and mechanisms to independently support and sustain the infrastructure deployed through this contract.

Both software and hardware specifications identified in Section 12.2 and 12.3 respectively are provided for information purposes only and may be subject to change. Additional hardware and software components will be included in the applicable Task Authorizations.

Each Task Authorization will identify any additional constraints if applicable.

9. Client Support

CBSA will ensure that the Contractor's resource is provided with:

- Security access to the building; and
- Access to relevant project documentation; and
- Workspace and CBSA equipment.

10. Work Location

The specific work location will be identified in each Task Authorization. Unless specified otherwise, the work location will be a CBSA office in the National Capital Region (NCR).

11. Language Requirement

The resources must be able to perform the work and provide any deliverables in English. Each Task Authorization will identify the specific language requirements.

12. Technical Environment

The Canada Revenue Agency (CRA) and Shared Services Canada (SSC) currently provide infrastructure services to CBSA.

12.1 CBSA High-Availability (HA) Environment

Critical CBSA business applications require 24-7 availability and dual data center failover. As such, the computing environment including both infrastructure and software applications must be well integrated in ensuring critical CBSA systems are available at all time. This requires an application ability to mask both scheduled and un-scheduled outages. If required, CBSA standard Relational Database Management Systems (RDBMS) are available to store, report and retrieve enterprise authorized data on the CBSA enterprise platforms as defined by the CBSA technical platform document.

The integration of software applications in a highly available environment, paramount to support the model for the SOAPS, may include, but is not limited to, the following technologies:

- Clustered or redundant Web technologies: WebSphere, and Apache.
- Clustered or redundant DBRMS: DB2 with PureScale.
- Redundant LDAP, SiteMinder, and Identity Manager.
- Load balancer technologies using Apache servers and network appliances.
- Cognos SPSS
- SSA-Name3

12.2 Software Components

CBSA owns all licenses to use the IBM products found in the table below:

Architecture Component	COTS	Version and Platform	DB and Platform	Description
Master Data Management (MDM)	IBM Master Data Management (MDM)	11.5 on Linux	DB2 on Linux	MDM provides maintenance and search capabilities for mastered businesses and people
Global Name Management (GNM)	IBM Global Name Management (GNM)	5.0 or above	N.A.	Name structure recognition with cultural backgrounds.
Data Preparation and Loading Service (DPLS)	IBM DataStage (DS) and QualityStage (QS)	IIS 11.5	DB2 on Linux	DS and QS extract data from data sources, cleanses, standardizes and loads it into the target database
Business Process Management (BPM)	IBM Business Process Management (BPM) Advanced	8.5.6 or above on Linux	DB2 on Linux	BPM provides business process automation.

Enterprise Service Bus (ESB)	IBM IIB	10 or above	DB2 on Linux	IBM Integration Bus connects applications together. It routes, transforms, and enriches messages from one location to any other location.
Business Rules Management Service (BRMS) and Event Management Service (EMS)	IBM ODM Advanced	8.7 or above	DB2 on Linux	ODM manages the business decision logic that is used by operational systems
	IBM ODM Standard			
Relationship Resolution Service (RRS)	IBM InfoSphere Identity Insight (ISII)	8.1.0 or above	DB2 on Linux	IBM InfoSphere Identity Insight resolves inconsistent, ambiguous identity records into comprehensive entities across multiple data sets
IBM SOA Integrated Development tools	IBM integration Designer, IBM Integration Explorer, IBM Business Process Designer, IBM ODM Rule Designer, IBM ODM Decision Server Event Designer	Various	DB2 on Linux	Set of tool to support the development and implementation of an integrated SOA, MDM, and ERASS foundation.

12.3 Hardware specification

The following table provides the hardware specifications in anticipation of the integrated SOA, MDM, and ERASS foundation implementation and delivery:

Component	Hardware	Specifications	Units
MDM	Server specification	Xeon ES-2650 2x8 with 70 PVU score	
	Servers	Blade (Without VM)	36
		Blade (With VM)	30
	Chassis		6
	SAN Storage	Primary Disk capacity (Gb)	15862.50 (gb)
		Mirrored capacity (Gb)	15862.50 (gb)
		SAN ports	
SOA	Servers	Blade 32 cores	8.5625
	Chassis		4

Appendix A – Non-Functional Requirements

Volumetric – expected peak number of transactions per second

The following table illustrates the expected volumes (peak number of transactions per second) that are associated with the functioning services:

Component	Service	Year				
		2016	2017	2018	2019	2020
SOA	ESB	36.54	76.37	77.89	79.45	81.04
	BPM	19.21	19.60	19.99	20.39	20.80
	BRMS	27.35	66.99	68.33	69.70	71.09
	EMS	0.42	0.81	0.83	0.85	0.86
ERASS	ERSS	35.76	36.52	37.30	38.10	38.92

Volumetric – Volumes

Component	COTS	Demand Unit	Release 1	Release 2
MDM	IBM MDM	Created businesses during initial load	6,000,000	N.A.
		Peak transactions per second	27	49
DPLS	IBM DataStage	Peak transactions per second	27	49
	IBM QualityStage or AVI	Transactions per second	27	49

Volumetric – ID resolution and reconciliation RP

Reconciliation and identity resolution is tightly aligned with Master Data Management (MDM) services for initial load, and coupled with query functionality for ongoing operations.

- Created people during initial load 63,000,000
- Created new people in 5 years after release 50,000,000

Availability

- The SOA enablement solution system must be highly available for 24-7 service with planned outages of 2 hours per month or 99.9+% operational ability.
- ERASS must be highly available for 24-7 service with 99.5% operational ability.
- MDM must be available 24 hours per day, 7 days per week, and 365 days per year.

Appendix B – Acronyms

Acronym	Description
ADS	Architecture and Design Specification
BI	Business Intelligence
BPMN	Business Process Modeling Notation
BUC	Business Use Cases
CBSA	Canada Border Services Agency
COTS	Custom Off The Shelf
CRA	Canada Revenue Agency
DPLS	Data Preparation and Loading Service
EDW	Enterprise Data Warehouse
EFSS	Entity Fuzzy Search Service
ERASS	Enterprise Risk Assessment Support Services
ERSS	Entity Resolution and Search Service
ESB	Enterprise Service Bus
ETL	Extract, Transform, and Load
GNM	Global Name Management
GoC	Government of Canada
GC SOA	Government of Canada Service Oriented Architecture
HA	High Availability
IIB	IBM Integration Bus
IIS	InfoSphere Information Server
ISII	InfoSphere Identity Insight
ISTB	Information, Science and Technology Branch
KPI	Key Performance Indicator
LDAP	Lightweight Directory Access Protocol
LOB	Line of Business
MDM	Master Data Management
MDMS	Master Data Management Services
NCR	National Capital Region
ODM	Operational Decision Management
pME	probabilistic Matching Engine
RDBMS	Relational Database Management System
REST	Representational State Transfer
ROI	Return on Investment
RP	Release Proposal
RRS	Relationship Resolution Service
SAN	Storage Area Network
SCM	Software Configuration Management
SLA	Service Level Agreement
SME	Subject Matter Expert
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SOAPS	Service Oriented Architecture Platform Services
SRS	System requirements specification

S-RTM	System Requirements Traceability Matrix
SUC	System Use Cases
SSC	Shared Services Canada
TA	Task Authorization
TS-RTM	Test to System Requirements Traceability Matrix
UML	Unified Modeling Language

Appendix C – Glossary

Acronym or Term	Description
ADS	An Architecture and Design Specification (ADS) document contains architecture and design information. The Architecture definition is contained in Parts 1 and 2; and the Design is captured in Parts 3 and 4.
BPM	Business process management (BPM) is a discipline that uses various methods to discover, model, analyze, measure, improve, and optimize business processes. A business process coordinates the behavior of people, systems, information, and things to produce business outcomes in support of a business strategy.
Deployment	Deployment services support the implementation and rollout of new applications or infrastructure. Activities may include hardware or software procurement, configuration, tuning, staging, installation and interoperability testing.
ETL	ETL is short for extract, transform, and load, three database functions that are combined into one tool to pull data out of one database and place it into another database. <ul style="list-style-type: none"> • Extract is the process of reading data from a database. • Transform is the process of converting the extracted data from its previous form into the form it needs to be in so that it can be placed into another database. Transformation occurs by using rules or lookup tables or by combining the data with other data. • Load is the process of writing the data into the target database.
Implementation	A term used to designate the phases of the system lifecycle that are responsible for the delivery of an information system. It includes the initiation, development and acquisition, and integration and installation phases of the system lifecycle, but excludes the operations and maintenance phase and the disposal phase.
Master Data Management	Master data management (MDM) of product data solutions are software products that: <ul style="list-style-type: none"> • Support the global identification, linking and synchronization of product information across • heterogeneous data sources through semantic reconciliation of master data • Create and manage a central, persisted system of record or index of record for master data • Enable delivery of a single product view to all stakeholders, in support of various business benefits • Support ongoing master data stewardship and governance requirements through workflow-based • monitoring and corrective action techniques
Project implementation	Project implementation or execution is directing, managing, performing and accomplishing the project work, providing the deliverables, and providing work performance information.
Relationship analytical tool	A system that provides services to analyze identities and their relationship for the purpose of fraud detection and risk assessment.
SOA	SOA is an approach for developing enterprise information systems solutions based on services. SOA is an industry best practice, which promotes open architecture. SOA aims to align information system services with business processes and data to enable re-use of

	business level functions. SOA is a foundation architecture that will influence systems development across the Agency's line of business portfolios.
GC SOA	The GC Service Oriented Architecture (GC SOA) is a comprehensive reference model that guides the use and adoption of Service Oriented Architectures (SOA) across the Government of Canada.
System integration	It ensures that the various segments and elements of the total system can interface with each other and with the external environment. [Thayer & Thayer European Perspective 1993]

Appendix D – Tasking Assessment Procedure

1. Where a requirement for a specific task is identified, a draft Task Authorization Form (TA Form) as attached at Appendix E to Annex A will be provided to the Contractor in accordance with the allocation methodology stated in the Contract Article titled "Allocation of Task Authorizations". Once a draft TA Form is received, the Contractor must submit to the Technical Authority a quotation of rates to supply the requested Resource Categories based on the information identified in the TA Form. The quotation must be signed and submitted to Canada within the time for response identified in the TA Form. The Contractor will be given a minimum of 3 working days turnaround time to submit a quotation.
2. For each proposed resource the Contractor must supply a résumé, the requested security clearance information and must complete the Response Tables at Appendix F of Annex A applicable to the Resource Categories identified in the draft TA. The same individual must not be proposed for more than one Resource Category. The résumés must demonstrate that each proposed individual meets the qualification requirements described (including any educational requirements, work experience requirements, and professional designation or membership requirements). With respect to the proposed resources:
 - (i) Proposed resources may be employees of the Contractor or employees of a subcontractor, or these individuals may be independent contractors to whom the Contractor would subcontract a portion of the Work. (Refer to Appendix G to Annex A, Certifications).
 - (ii) For educational requirements for a particular degree, designation or certificate, Canada will only consider educational programmes that were successfully completed by the resource before the date the draft TA was first issued to the Contractor.
 - (iii) For requirements relating to professional designation or membership, the resource must have the required designation or membership by the time of draft TA issuance and must continue, where applicable, to be a member in good standing of the profession or membership throughout the assessment period and Contract Period. Where the designation or membership must be demonstrated through a certification, diploma or degree, such document must be current, valid and issued by the entity specified in this Contract or if the entity is not specified, the issuer must have been an accredited or otherwise recognized body, institution or entity at the time the document was issued.
 - (iv) For work experience, Canada will not consider experience gained as part of an educational programme, except for experience gained through a formal co-operative programme at a post-secondary institution.
 - (v) For any requirements that specify a particular time period (e.g., 2 years) of work experience, Canada will disregard any information about experience if the résumé does not include the relevant dates (month and year) for the experience claimed (i.e., the start date and end date). Canada will evaluate only the duration that the resource actually worked on a project or projects (from his or her start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.
 - (vi) A résumé must not simply indicate the title of the individual's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the individual while in that position. Only listing experience without providing any supporting data to describe responsibilities, duties and relevance to the requirement, or reusing the same wording as the TA Form, will not be considered "demonstrated" for the purposes of the assessment. The Contractor should provide complete details as to where, when, month and year, and how, through which activities or responsibilities, the stated qualifications and experience were obtained. In situations in which a proposed resource worked at the same time on more than one

project, the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience.

3. The qualifications and experience of the proposed resources will be assessed against the requirements set out in Appendix F to Annex A to determine each proposed resource's compliance with the mandatory and rated criteria. Canada may request proof of successful completion of formal training, as well as reference information. Canada may conduct reference checks to verify the accuracy of the information provided. If reference checks are done, they will be conducted in writing by e-mail (unless the contact at the reference is only available by telephone). Canada will not assess any points or consider a mandatory criterion met unless the response is received within 5 working days. On the third working day after sending out the e-mails, if Canada has not received a response, Canada will notify the Contractor by e-mail, to allow the Contractor to contact its reference directly to ensure that it responds to Canada within 5 working days. Wherever information provided by a reference differs from the information supplied by the Contractor, the information supplied by the reference will be the information assessed. Points will not be allocated or a mandatory criteria considered as met if the reference customer is not a customer of the Contractor itself (for example, the customer cannot be the customer of an affiliate of the Contractor). Nor will points be allocated or a mandatory criteria considered as met if the customer is itself an affiliate or other entity that does not deal at arm's length with the Contractor. Crown references will be accepted.
4. During the assessment of the resources proposed, should the references for two or more resources required under that TA either be unavailable or fail to substantiate the required qualifications of the proposed resources to perform the required services, the Contracting Authority may find the quotation to be non-responsive.
5. Only quotations that meet all of the mandatory criteria will be considered for assessment of the point rated criteria. Each resource proposed must attain the required minimum score for the point rated criteria for the applicable Resource Category. If the minimum score for any proposed resource is less than what is required, the Contractor's quotation will be found to be non-responsive.
6. Once the quotation has been accepted by the Technical Authority, the TA Form will be signed by Canada and provided to the Contractor for signature. The TA Form must be appropriately signed by Canada prior to commencement of any work. The Contractor must not commence work until a validly issued TA Form (the Task Authorization) has been received, and any work performed in its absence is done at the Contractor's own risk.

Appendix E – Task Authorization Form

(SEE ATTACHED HERETO)

Appendix F – Resources Assessment Criteria and Response Table

(SEE ATTACHED HERETO)

Appendix G – Certifications at the TA Stage

The following Certifications are to be used, as applicable. If they apply, they must be signed and attached to the Contractor's quotation when it is submitted to Canada.

1. CERTIFICATION OF EDUCATION AND EXPERIENCE

The Contractor certifies that all the information provided in the résumés and supporting material proposed for completing the subject work, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Contractor to be true and accurate. Furthermore, the Contractor warrants that every individual proposed by the Contractor for the requirement is capable of performing the Work described in the Task Authorization.

Print name of authorized individual & sign above

Date

2. CERTIFICATION OF AVAILABILITY OF PERSONNEL

The Contractor certifies that, should it be authorized to provide services under this Task Authorization, the persons proposed in the quotation will be available to commence performance of the work within a reasonable time from the date of issuance of the valid Task Authorization, or within the time specified in the TA Form, and will remain available to perform the work in relation to the fulfillment of the requirement.

Print name of authorized individual & sign above

Date

3. CERTIFICATION OF STATUS OF PERSONNEL

If the Contractor has proposed any individual who is not an employee of the Contractor, the Contractor certifies that it has permission from that individual to propose his or her services in relation to the Work to be performed under this TA and to submit his or her résumé to Canada. At any time during the Contract Period the Contractor must, upon request from the Contracting Authority, provide the written confirmation, signed by the individual, of the permission that was given to the Contractor of his or her availability. Failure to comply with the request may result in a default under the Contract in accordance with the General Conditions.

Print name of authorized individual & sign above

Date

4. CERTIFICATION OF LANGUAGE - ENGLISH

The Contractor certifies that the proposed resource(s) in response to this draft Task Authorization is or are fluent in English. The individual(s) proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Print name of authorized individual & sign above

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat :

Contractor Name / Nom du Contracteur :

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

Commitment No. / N° de
l'engagement :

Financial Coding / Code
financier :

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Initial End Date / Date de fin initiale :

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Work Location(s) / Lieu(x) de travail :

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
						<div>+ -</div>

B. Estimated Cost / Coût estimatif				
Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div>+ -</div>				
Estimated Cost / Coût estimatif				
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées		Applicable Taxes / Taxes applicables		\$0.00
Total Estimated Cost / Coût total estimatif				\$0.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.		En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.	
The client's authorization limit is \$300,000.00 . When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.		La limite d'autorisation du client est \$300,000.00 . Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.	
Name of Authorized Client / Nom du client autorisé	Date	Name of Contracting Authority / Nom de l'autorité contractante	Date
Signature		Signature	

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur	Signature	Date
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Appendix F to Annex A

Resources Assessment Criteria and Response Tables

To facilitate resource assessment, the Contractor must prepare and submit a response to a draft Task Authorization using the tables provided in this Appendix. When completing the resource grids, the specific information which demonstrates the requested criteria and reference to the page number of the résumé should be incorporated so that the assessor can verify this information. The tables should not contain all the project information from the resume. Only the specific answer should be provided.

1.0 Mandatory Resource Assessment Criteria

The experience required for a Mandatory Resource Requirement must be demonstrated through one or multiple referenced projects and each referenced project must have a minimum duration of three (3) months in order to be accepted.

1.11 Programmer/Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Integration BUS (IIB) – Enterprise Service Bus (ESB) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.12 Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM Business Process Management (BPM)* solutions, aligned with a Service Oriented Architecture (SOA), on large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.13 Programmer/Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM Operational Decision Management (ODM)* solutions including the creation of executable object models (XOM), business object models (BOM), and the authoring of rules for a rules engine**, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p> <p>**includes separate Business rules and Business events components prior to creation of IBM Operational Decision Management (ODM) (Advanced).</p>			

1.14 Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase, and obtain approval of the system proposal. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.15 Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Business Process Management (BPM)* Advanced large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.16 Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase, and obtain approval of the system proposal. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)*, large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.17 Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM BPM, IBM IIS DataStage and QualityStage, IBM IIB-ESB, IBM ODM Standard and Advanced

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a test coordinator:</p> <ul style="list-style-type: none"> • Develop and provide advice, guidance and coordination efforts for test strategies and plans, selection of automated testing tools, and identification of resources required for testing. • Plan, organize, schedule, and report on testing efforts for large systems including the execution of systems integration tests, specialized tests, and user acceptance testing (e.g., stress tests). 			
M.2	<p>A minimum of two (2) years of experience, working as a test coordinator, within the last ten (10) years, planning, scheduling, coordinating and reporting on the testing phase of a large scale (project value of \$6 million or greater) IBM Master Data Management (MDM)* solution and/or an IBM Enterprise Service Bus (ESB)* solution implementation at an enterprise level with multiple stakeholders (greater than 2) and multiple integration points.</p> <p>*Or previous versions or instances.</p>			

1.18 Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management

Experience and Expertise of the Proposed Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration and Release Management has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a technology architect:</p> <ul style="list-style-type: none"> • Prepare implementation plans and strategy in preparation of solutions' deployments • Develop, implement and maintain automated build and load deployment scripts • Maintain and support project source repository • Configure and optimize technical installations including the integration of technical components. • Ensure alignment of releases in both development and testing environments. 			
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a technology architect on the configuration, optimization and deployment of an IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* project solution implementation, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

2.0 Point-Rated Resource Assessment Criteria:

The experience required for a Mandatory Resource Requirement should be demonstrated through one or multiple referenced projects and each referenced project should have a minimum duration of three (3) months in order to be accepted.

(See next page)

2.11 Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a programmer/software developer developing IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects (project value of \$6 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.12 Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as programmer/software developer developing IBM Business Process Management (BPM)* solutions, aligned with a Service Oriented Architecture (SOA), on large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects with a IBM Business Process Management (BPM)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management(MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with a BPM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.13 Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a programmer/software developer developing IBM Operational Decision Management (ODM)* solutions including the creation of executable object models (XOM), business object models (BOM), and the authoring of rules for a rules engine**, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p> <p>**Includes separate Business rules and Business events components prior to creation of IBM ODM (Advanced).</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects with an IBM Operational Decision Management (ODM)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management (MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last five (5) years, working as a programmer/software developer on projects with an IBM Operational Decision Management (ODM)* component with volumes equal to or exceeding 10 million transactions per year.</p> <p>*Or previous versions or instances.</p>	5	<ul style="list-style-type: none"> • 10 million to 12 million transactions = 1 point • 12+ million to 14 million transactions = 3 points • 14+ million transactions per year = 5 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with a rule engine component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		40		
Minimum points required		24		

2.14 Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience, as an application/software architect, within the last ten (10) years, on the design, prototyping, components integration and oversight, as part of an IBM Integration Bus (IIB)* – Enterprise Service Bus (ESB) large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application/software architect, within the last ten (10) years, performing the integration of IBM IIB-ESB* with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application/software architect, within the last ten (10) years, in the development of security requirements* of an IBM IIB-ESB* implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • Master Data Management (MDM)** • IBM Business Process Management (BPM)** Advanced • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.15 Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Business Process Management (BPM)* Advanced large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience as an application/software architect, within the last ten (10) years, performing the integration of IBM Business Process Management (BPM)* with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Master Data Management(MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, as an application/software architect in the development of security requirements* of an IBM Business Process Management (BPM) implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage <p>*Security requirements include the integration of BPM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Business Process Manager (BPM) Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on a project(s) with a BPM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.16 Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Operational Decision Manager (ODM)*, large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as an application/software architect on the integration of IBM Operational Decision Manager (ODM)* with one or more of the following IBM products listed below on a large scale project (project value of \$6 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).</p> <ul style="list-style-type: none"> • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Business Process Management (BPM)* Advanced • IBM InfoSphere Information Server (IIS) DataStage or QualityStage <p>*Or previous versions or instances,</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, as an application/software architect in the development of security requirements* of a solution implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IBM Operational Decision Manager (ODM) Standard or Advanced with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Operational Decision Manager (ODM) Standard and Advanced has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on projects with a rule engine for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.17 Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM BPM, IBM IIS DataStage and QualityStage, IBM IIB-ESB, IBM ODM Standard and Advanced

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, working as a test coordinator, within the last ten (10) years, planning, scheduling, coordinating and reporting on the testing phase of a large scale (project value of \$6 million or greater) IBM Master Data Management (MDM)* solution and/or an IBM Enterprise Service Bus (ESB)* solution implementation at an enterprise level with multiple stakeholders (greater than 2) and multiple integration points.</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 2+ to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>experience, within the last ten (10) years, working as a test coordinator to plan, schedule, and report on the functional and system integration testing of solutions that integrates at least two (2) of the following IBM components:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management (MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 2 to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Test Coordinator – Specialty in IBM products				
Name of proposed Resource: _____				
The Bidder SHOULD demonstrate that the Proposed Test Coordinator – Specialty in IBM products has:				
			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a test coordinator on projects that required the integration and testing of components aligned with a SOA and/or MDM for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.18 Technology Architect – Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience within the last ten (10) years working as a technology architect working on the configuration, optimization and deployment of an IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)* project solution implementation, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3 to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Technology Architect - Specialty in IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) Configuration/Release Management has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, as a technology architect performing the integration of IBM Integration Bus (IIB) - IBM Enterprise Service Bus (ESB)* with the IBM Business Process Management (BPM)* Advanced IBM product and one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management(MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a technology architect on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

1000322116 / 47060-152116

Security Classification / Classification de sécurité

SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction	
CBSA		EAIM/CSP	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Standing offer for the provision of Task Based informatics Professional Services to the Government of Canada			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input type="checkbox"/> No Non <input checked="" type="checkbox"/> Yes Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada <input checked="" type="checkbox"/>		NATO / OTAN <input type="checkbox"/>	
Foreign / Étranger <input type="checkbox"/>			
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>		All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable À ne pas diffuser <input type="checkbox"/>			
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	
7. c) Level of information / Niveau d'information			
PROTECTED A PROTÉGÉ A <input checked="" type="checkbox"/>		NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	
PROTECTED B PROTÉGÉ B <input checked="" type="checkbox"/>		NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	
PROTECTED C PROTÉGÉ C <input checked="" type="checkbox"/>		NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>		NATO SECRET NATO SECRET <input type="checkbox"/>	
SECRET SECRET <input checked="" type="checkbox"/>		COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	
TOP SECRET TRÈS SECRET <input type="checkbox"/>			
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>			
		PROTECTED A PROTÉGÉ A <input type="checkbox"/>	
		PROTECTED B PROTÉGÉ B <input type="checkbox"/>	
		PROTECTED C PROTÉGÉ C <input type="checkbox"/>	
		CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	
		SECRET SECRET <input type="checkbox"/>	
		TOP SECRET TRÈS SECRET <input type="checkbox"/>	
		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>	

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

Canada



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

Security Classification / Classification de sécurité

PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No ☐ Yes
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux :

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☒ No ☐ Yes
Non Oui

If Yes, will unscreened personnel be escorted?

Dans l'affirmative, le personnel en question sera-t-il escorté?

☒ No ☐ Yes
Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No ☐ Yes
Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No ☐ Yes
Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No ☐ Yes
Non Oui

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

Canada



Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

Security Classification / Classification de sécurité

PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL		COSMIC TRÈS SECRET	A	B	C	CONFIDENTIEL		TRÈS SECRET
Information / Assets Renseignements / Biens Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	Date
Hien Kien Tsang	A/Director	<i>[Signature]</i>	<i>Aug 15 - 2015</i>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	Date
AHMED SALAH	SECURITY SPECIALIST	<i>[Signature]</i>	<i>2016/08/17</i>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

☒ No ☐ Yes
Non Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT AMENDMENT MODIFICATION AU CONTRAT

The referenced document is hereby amended: unless
otherwise indicated, all other terms and conditions of
the contract remain the same.

Ce document est par la présente modifié: sauf indication
contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
amendment.

Le fournisseur/entrepreneur accepte la présente
modification/en accusé réception.

Signature _____ Date _____
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith


Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

102444452PG0013
IBM CANADA LIMITED/IBM CANADA LIMITÉE
3755 Riverside Drive
Ottawa
Ontario
K1G4K9
Canada

Title - Sujet RFP- Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/001/EL	Amendment No. - N° Modif 001
Client Reference No. - N° de référence du client 1000322116	Date 2017-07-11
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 615el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	GST/HST TPS/TVH
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Ghaddab, Nabil	Buyer Id - Id de l'acheteur 615el
Telephone No. - N° de téléphone (973) 469-4984 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$0.00	
Revised estimated cost Coût révisé estimatif \$1,756,358.10	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre 	

This Contract Amendment is raised to modify the Annex C - Security Requirements Check List (SRCL) form and replace it with a fully signed one by all parties.

1. Modification to the Annex C - Security Requirements Check List (SRCL) form of the Contract, as follows:

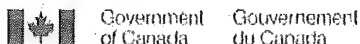
DELETE Annex C - Security Requirements Check List (SRCL) form, in its entirety; and

REPLACE with the following:

(see the next page)

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME

COMMON-PS-SRCL#19



Contract Number / Numéro du contrat 47060-1521161001/EL
Security Classification / Classification de sécurité UNCLASSIFIED

SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE	
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine: CB SA	2. Branch or Directorate / Direction générale ou Direction: SPMND
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant:
4. Brief Description of Work / Brève description du travail: IT Professional Services	
5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis	
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) / (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) <input type="checkbox"/> No / Non <input checked="" type="checkbox"/> Yes / Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès	
Canada <input checked="" type="checkbox"/>	NATO / OTAN <input type="checkbox"/> Foreign / Étranger: <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion	
No release restrictions / Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Restricted to: / Limité à <input type="checkbox"/>	Restricted to: / Limité à <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays	Specify country(ies): / Préciser le(s) pays
7. c) Level of information / Niveau d'information	
PROTECTED A / PROTÉGÉ A <input checked="" type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input checked="" type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input checked="" type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input checked="" type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>
SECRET / SECRET <input checked="" type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
	SECRET / SECRET <input type="checkbox"/>
	TOP SECRET / TRÈS SECRET <input type="checkbox"/>
	TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada

COMMON-PS-SRCL#19



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat
Security Classification / Classification de sécurité UNCLASSIFIED

PART A (continued) / PARTIE A (suite)

10. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS?
If Yes, indicate the level of sensitivity.
Dans l'affirmative, indiquer le niveau de sensibilité:

☒ No ☐ Yes
Non Oui

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate?

☒ No ☐ Yes
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel:
Document Number / Numéro du document:

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10 a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

<input checked="" type="checkbox"/> RELIABILITY STATUS COTE DE FIABILITE	<input checked="" type="checkbox"/> CONFIDENTIAL CONFIDENTIEL	<input checked="" type="checkbox"/> SECRET SECRET	<input type="checkbox"/> TOP SECRET TRES SECRET
<input type="checkbox"/> TOP SECRET - SIGINT TRES SECRET - SIGINT	<input type="checkbox"/> NATO CONFIDENTIAL NATO CONFIDENTIEL	<input type="checkbox"/> NATO SECRET NATO SECRE	<input type="checkbox"/> COSMIC TOP SECRET COSMIC TRES SECRET
<input type="checkbox"/> SITE ACCESS ACCES AUX EMPLACEMENTS			

Special Comments:
Commentaires spéciaux

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10 b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail?
If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté?

☒ No ☐ Yes
Non Oui
☒ No ☐ Yes
Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11 a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes
Non Oui

11 b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC?

☒ No ☐ Yes
Non Oui

PRODUCTION

11 c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ?

☒ No ☐ Yes
Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11 d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS?

☒ No ☐ Yes
Non Oui

11 e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale?

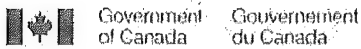
☒ No ☐ Yes
Non Oui

TBS/SC 350-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada

COMMON-PS-SRCL/19



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité UNCLASSIFIED

PART C - (continued) / PARTIE C - (suite)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
 Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form online (via the Internet), the summary chart is automatically populated by your responses to previous questions.
 Dans le cas des utilisateurs qui remplissent le formulaire en ligne (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉE			CLASSIFIED / CLASSIFIÉE			NATO				OTHER / AUTRE			
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / NÉCESSAIRE À LA SÉCURITÉ	NATO CONFIDENTIAL / NÉCESSAIRE À LA SÉCURITÉ	NATO SECRET	FORMER TOP SECRET / FORMER TRÈS SECRET	PROTECTED / PROTÉGÉE	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET
Information Access / Renseignements / Accès														
Production														
Storage / Stockage														
Transport / Transport														
Disposal / Élimination														

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
 La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?
☒ No / Non ☐ Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
 Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
 La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?
☒ No / Non ☐ Yes / Oui

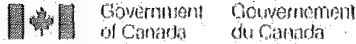
If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
 Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).

TBS/SCF 350-103(2004/12)

Security Classification / Classification de sécurité UNCLASSIFIED
--

Canada

COMMON-PS-SRCL#19



Contract Number / Numéro du contrat
Security Classification / Classification de sécurité UNCLASSIFIED

PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13 Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
Robert Perreault	A/Team Lead - SPMD	Robert Perreault	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
343-291-5669		Robert.Perreault@PSA-ASFC.gc.ca	July 6 th , 2017
14 Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
Andre Gaudette	HQ Security Manager	Andre Gaudette	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
343-291-7770			JUL 10 2017
15 Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?			<input type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
16 Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
NABIL GHADDAB	Contracting Authority	Nabil Ghaddab	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
17 Contracting Security Authority / Autorité contractante en matière de sécurité			
Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	
		Saumur, Jacques O	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

Jacques Saumur
Contract Security Officer
Contracts Security Division / Division des contrats sécurite /
Contract Security Program / Programme de securite des contrats /
Public Services and Procurement Canada / Services publics et Approvisionnement Canada
Jacques.Saumur@psgc-pwsgc.gc.ca
Telephone / Téléphone 613-943-1732
Facsimile / Télécopieur 613-943-1712

TBS/SCT 556-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada



Public Works and
Government Services - EL
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT AMENDMENT MODIFICATION AU CONTRAT

The referenced document is hereby amended; unless otherwise indicated, all other terms and conditions of the contract remain the same.

Ce document est par la présente modifié; sauf indication contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this amendment.

Le fournisseur/entrepreneur accepte la présente modification/en accusé réception.

Carlos Santos, Authorized Signatory Dec 28, 2017

Signature

Date

Name, title of person authorized to sign (type or print)

Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith

Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

102444452PG0013
IBM CANADA LIMITED/IBM CANADA LIMITÉE
3755 Riverside Drive
Ottawa
Ontario
K1G4K9
Canada

Title - Sujet RFP- Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/001/EL	Amendment No. - N° Modif 002
Client Reference No. - N° de référence du client 1000322116	Date 2017-12-20
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 639el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	GST/HST TPS/TVH
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Villeneuve, Julie	Buyer Id - Id de l'acheteur 639el
Telephone No. - N° de téléphone (819) 420-5967 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$3,276,787.50	
Revised estimated cost Coût révisé estimatif \$5,033,145.60	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre 	

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/001/EL	002	639el

This Contract Amendment No.002 is raised in order to Exercise Option Period:

1. Amend the Revised Estimated Cost;
2. Amend the Contract Period; and
3. Amend the Contracting Authority.

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$1,756,358.10

INSERT: \$5,033,145.60

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety

INSERT:

6. Contract Period

(a) Contract Period: The "Contract Period" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) **The "Initial Contract Period"**, which begins on the date the Contract is awarded and ends January 29, 2019.
- (ii) The period during which the Contract is extended, if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

3. At Article 7 (a) of the Contract, under Contracting Authority:

DELETE:

Contract No. - N° du contrat
(or Solicitation No. - N° de l'invitation)
47060-152116/001/EL

Amd. No. - N° de la modif.
002

Buyer ID - Id de l'acheteur
639el

Name: Nabil Ghaddab
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Space, Innovation and informatics Projects Directorate
Address: 11 Laurier Street, Gatineau, Québec
Telephone: 873-469-4984
Email: nabil.ghaddab@tpsgc-pwgsc.gc.ca

INSERT:

Name: Julie Villeneuve
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 11 Laurier Street, Portage III, 4C2,
Gatineau, QC K1A 0S5
Telephone: (819) 420-5967
E-mail address: Julie.villeneuve3@tpsgc-pwgsc.gc.ca

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT AMENDMENT MODIFICATION AU CONTRAT

The referenced document is hereby amended: unless
otherwise indicated, all other terms and conditions of
the contract remain the same.

Ce document est par la présente modifié: sauf indication
contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
amendment.

Le fournisseur/entrepreneur accepte la présente
modification/en accuse réception.

Mitchell Carlsner 29 Jan 19

Signature Date
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith
Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur
10244452PG0013
IBM CANADA LIMITED/IBM CANADA LIMITÉE
3755 Riverside Drive
Ottawa
Ontario
K1G4K9
Canada

Title - Sujet RFP - Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/001/EL	Amendment No. - N° Modif 003
Client Reference No. - N° de référence du client 1000322116	Date 2019-01-24
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 639el 47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	GST/HST TPS/TVH
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Villeneuve, Julie	Buyer Id - Id de l'acheteur 639el
Telephone No. - N° de téléphone (613) 858-9487 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$500,000.00	
Revised estimated cost Coût révisé estimatif \$5,533,145.60	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre Villeneuve, Julie 3	

Digitally signed by Villeneuve, Julie 3
Date: 2019.01.25 09:55:46 -05'00'

Canada

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/001/EL	003	639el

This Contract Amendment No.003 is raised in order to Exercise Option Period:

1. Amend the Revised Estimated Cost; an
 2. Amend the Contract Period.
-

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$5,033,145.60
 INSERT: \$5,533,145.60

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety
 INSERT:

6. Contract Period

(a) Contract Period: The “Contract Period” is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) The “Initial Contract Period”,** which begins on the date the Contract is awarded and ends January 29, 2020.
- (ii) The period during which the Contract is extended,** if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to three additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT AMENDMENT MODIFICATION AU CONTRAT

The referenced document is hereby amended: unless
otherwise indicated, all other terms and conditions of
the contract remain the same.
Ce document est par la présente modifié: sauf indication
contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
amendment.

Le fournisseur/entrepreneur accepte la présente
modification/en accuse réception.

Y. D. Gilbert
Associate Partner Jan 8 2020
Signature *Melanie Gilbert* Date
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith
Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur
102444452PG0013
IBM CANADA LIMITED/IBM CANADA LIMITÉE
3755 Riverside Drive
Ottawa
Ontario
K1G4K9
Canada

Title - Sujet RFP- Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/001/EL	Amendment No. - N° Modif 004
Client Reference No. - N° de référence du client 1000322116	Date 2019-12-20
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 641el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Michaud, Daniel	
Buyer Id - Id de l'acheteur 641el	
Telephone No. - N° de téléphone (613) 858-8483 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$3,407,859.00	
Revised estimated cost Coût révisé estimatif \$8,941,004.60	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre Bastien, Josee <small>Digitally signed by Bastien, Josee DN: cn=Bastien, Josee, o=CA, ou=IGO, email=jpb2002@psg.com Date: 2019.12.23 11:22:24 -0500</small>	

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/001/EL	004	641el

This Contract Amendment No.004 is raised in order to Exercise Option Period and change the Contracting Authority:

1. Amend the Revised Estimated Cost;
 2. Amend the Contract Period; and
 3. Amend the Contracting Authority.
-

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$5,533,145.60

INSERT: \$8,941,004.60

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety

INSERT:

6. Contract Period

(a) Contract Period: The "Contract Period" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) **The "Initial Contract Period"**, which begins on the date the Contract is awarded and ends January 29, 2021.
- (ii) The period during which the Contract is extended, if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

Contract No. - N° du contrat
(or Solicitation No. - N° de l'invitation)
47060-152116/001/EL

Amd. No. - N° de la modif.
004

Buyer ID - Id de l'acheteur
641el

3. At Article 7 (a) of the Contract, under Contracting Authority:

DELETE:

Name: Julie Villeneuve
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 11 Laurier Street, Portage III, 4C2,
Gatineau, QC K1A 0S5
Telephone: (819) 420-5967
E-mail address: Julie.villeneuve3@tpsgc-pwgsc.gc.ca

INSERT:

Name: Daniel Michaud
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 10 wellington, Gatineau, QC K1A 0S5
Telephone: (613) 858-8483
E-mail address: daniel.michaud@tpsgc-pwgsc.gc.ca

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.



Purchasing Office - Bureau des achats:

Informatics Professional Services - EL
Division/Services professionnels en informatique
- division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT - CONTRAT

Your proposal is accepted to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price or prices set out therefor.

Nous acceptons votre proposition de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans les présentes, et aux annexes ci-jointes, les biens, services et construction énumérés dans les présentes, et sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du fournisseur/de l'entrepreneur

868346149PG0001
DONNA CONA INC.
106 Colonnade,
Suite 100
Ottawa
Ontario
K2E7L6
Canada

Title - Sujet Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/002/EL	Date 2017-02-24
Client Reference No. - N° de référence du client 1000322116	
Requisition No. - N° de la demande 47060-152116	
File No. - N° de dossier 615el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Code(s) Code(s) financier(s) 1911-100-10 20008576 2547/34201	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Ghaddab, Nabil	Buyer Id - Id de l'acheteur 615el
Telephone No. - N° de téléphone (819) 956-5419 ()	FAX No. - N° de FAX () -
Total Estimated Cost - Coût total estimatif \$3,145,716.00	Currency Type - Devise CAD
For the Minister - Pour le Ministre	

**CONTRACT AGAINST A SUPPLY ARRANGEMENT FOR TASK- BASED
INFORMATICS PROFESSIONAL SERVICES (TBIPS)**

FOR

**VARIOUS RESOURCE CATEGORIES – LEVEL 3
(SEE HEREIN)**

ON BEHALF OF

THE CANADA BORDER SERVICES AGENCY

This document contains a security requirement

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List of Annexes to the Resulting Contract:

- Annex A - Statement of Work
 - Appendix A – Non-Functional Requirements
 - Appendix B – Acronyms
 - Appendix C – Glossary
 - Appendix D – Tasking Assessment Procedure
 - Appendix E – Task Authorization (TA) Form
 - Appendix F – Resources Assessment Criteria and Response Table
 - Appendix G – Certifications at the TA Stage
- Annex B - Basis of Payment
- Annex C - Security Requirements Check List
- Annex D – Non-Disclosure Agreement

1. Requirement

- (a) **Donna Cona Inc.** (the "**Contractor**") agrees to supply to the Client the services described in the Contract, including the Statement of Work, in accordance with, and at the prices set out in, the Contract. This includes providing professional services as and when requested by Canada, to one or more locations to be designated by Canada, excluding any locations in areas subject to any of the Comprehensive Land Claims Agreements.
- (b) **Client:** Under the Contract, the "**Client**" is Canada Border Services Agency (CBSA).
- (c) **Reorganization of Client:** The Contractor's obligation to perform the Work will not be affected by (and no additional fees will be payable as a result of) the renaming, reorganization, reconfiguration, or restructuring of any Client. The reorganization, reconfiguration and restructuring of the Client includes the privatization of the Client, its merger with another entity, or its dissolution, where that dissolution is followed by the creation of another entity or entities with mandates similar to the original Client. In connection with any form of reorganization, Canada may designate another department or government body as the Contracting Authority or Project Authority, as required to reflect the new roles and responsibilities associated with the reorganization.
- (d) **Defined Terms:** Words and expressions defined in the General Conditions or Supplemental General Conditions and used in the Contract have the meanings given to them in the General Conditions or Supplemental General Conditions. Any reference to an Identified User in the Supply Arrangement is a reference to the Client. Also, any reference to a "deliverable" or "deliverables" includes all documentation outlined in this Contract. A reference to a "local office" of the Contractor means an office having at least one full time employee that is not a shared resource working at that location.

2. Task Authorization

- (a) **As-and-when-requested Task Authorizations:** The Work or a portion of the Work to be performed under the Contract will be on an "as-and-when-requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract. The Contractor must not commence work until a validly issued TA has been issued by Canada and received by the Contractor. The Contractor acknowledges that any work performed before such issuance and receipt will be done at the Contractor's own risk.
- (b) **Assessment of Resources Proposed at TA Stage:** Processes for issuing, responding to and assessing Task Authorizations are further detailed in Appendices D, E, F and G of Annex A.
- (c) **Form and Content of draft Task Authorization:**
 - (i) The Project Authority will provide the Contractor with a description of the task in a draft Task Authorization using the form specified in Annex A.
 - (ii) The draft Task Authorization will contain the details of the activities to be performed, and must also contain the following information:
 - (A) the task number;
 - (B) The date by which the Contractor's response must be received (which will appear in the draft Task Authorization, but not the issued Task Authorization);
 - (C) the details of any financial coding to be used;
 - (D) the categories of resources and the number required;
 - (E) a description of the work for the task outlining the activities to be performed and identifying any deliverables (such as reports);
 - (F) the start and completion dates;
 - (G) milestone dates for deliverables and payments (if applicable);

- (H) the number of person-days of effort required;
 - (I) whether the work requires on-site activities and the location;
 - (J) the language profile of the resources required;
 - (K) the level of security clearance required of resources;
 - (L) the price payable to the Contractor for performing the task under a maximum TA price (the TA must indicate how the final amount payable will be determined; where the TA does not indicate how the final amount payable will be determined, the amount payable is the amount, up to the maximum, that the Contractor demonstrates was actually worked on the project, by submitting time sheets filled in at the time of the work by the individual resources to support the charges); and
 - (M) any other constraints that might affect the completion of the task.
- (d) **Contractor's Response to Draft Task Authorization:** The Contractor must provide to the Project Authority, within 3 working days of receiving the draft Task Authorization (or within any longer time period specified in the draft TA), the proposed total price for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract. The Contractor's quotation must be based on the rates set out in the Contract. The Contractor will not be paid for preparing or providing its response or for providing other information required to prepare and validly issue the TA.
- (e) **Task Authorization Limit and Authorities for Validly Issuing Task Authorizations:**
 To be validly issued, a TA must include the following signatures:
- (i) for any TA, inclusive of revisions, with a value less than or equal to \$300,000.00 (excluding Applicable Taxes), the TA must be signed by the Project Authority; and
 - (ii) for any TA, inclusive of revisions, with a value greater than this amount, a TA must include the following signatures:
 - (1) the Project Authority; and
 - (2) the Contracting Authority.

Any TA that does not bear the appropriate signature(s) is not validly issued by Canada. Any work performed by the Contractor without receiving a validly issued TA is done at the Contractor's own risk. If the Contractor receives a TA that is not appropriately signed, the Contractor must notify the Contracting Authority. By providing written notice to the Contractor, the Contracting Authority may suspend the Client's ability to issue TA's at any time, or reduce the dollar value threshold described in sub-article (i) above; any suspension or reduction notice is effective upon receipt.
- (f) **Periodic Usage Reports:**
- (i) The Contractor must compile and maintain records on its provision of services to the federal government under Task Authorizations validly issued under the Contract. The Contractor must provide this data to Canada in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "NIL" report. The data must be submitted on a quarterly basis to the Contracting Authority. From time to time, the Contracting Authority may also require an interim report during a reporting period.
 - (ii) The quarterly periods are defined as follows:
 - (A) 1st quarter: April 1 to June 30;
 - (B) 2nd quarter: July 1 to September 30;
 - (C) 3rd quarter: October 1 to December 31; and

(D) 4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 15 calendar days after the end of the reporting period.

- (iii) Each report must contain the following information for each validly issued TA (as amended):
 - (A) the Task Authorization number and the Task Authorization Revision number(s), if applicable;
 - (B) a title or a brief description of each authorized task;
 - (C) the name, Resource category and level of each resource involved in performing the TA, as applicable;
 - (D) the total estimated cost specified in the validly issued TA of each task, exclusive of Applicable Taxes;
 - (E) the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
 - (F) the start and completion date for each authorized task; and
 - (G) the active status of each authorized task, as applicable (e.g., indicate whether work is in progress or if Canada has cancelled or suspended the TA, etc.).

(g) **Refusal of Task Authorizations or Submission of a Response which is not Valid:** The Contractor is not required to submit a response to every draft TA sent to it by Canada. However, in addition to Canada's other rights to terminate the Contract, Canada may immediately, and without further notice, terminate the Contract for default in accordance with the General Conditions if the Contractor in at least three instances has either not responded or has not submitted a valid response when sent a draft TA. For greater clarity, each draft TA, which is identifiable by its task number, will only count as one instance. A valid response is one that is submitted within the required time period and meets all requirements of the draft TA issued, including proposing the required number of resources who each meet the minimum experience and other requirements of the categories identified in the draft TA at pricing not exceeding the rates set out in Annex B.

(h) **Consolidation of TA's for Administrative Purposes:** The Contract may be amended from time to time to reflect all validly issued Task Authorizations to date, to document the Work performed under those TA's for administrative purposes.

3. Minimum Work Guarantee

(a) In this clause,

- (i) **"Maximum Contract Value"** means the amount specified in the **"Limitation of Expenditure"** clause set out in the Contract (excluding Applicable Taxes); and
- (ii) **"Minimum Contract Value"** means \$20,000.00.

(b) Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with sub-article (c), subject to sub-article (d). In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract Period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.

(c) In the event that Canada does not request work in the amount of the Minimum Contract Value during the Contract Period, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.

- (d) Canada will have no obligation to the Contractor under this article if Canada terminates the entire Contract
 - (i) for default;
 - (ii) for convenience as a result of any decision or recommendation of a tribunal or court that the contract be cancelled, re-tendered or awarded to another supplier; or
 - (iii) for convenience within ten business days of Contract award.

4. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

(a) General Conditions:

- (i) 2035 (2016-04-04), General Conditions - Higher Complexity - Services, apply to and form part of the Contract.

With respect to Section 30 - Termination for Convenience, of General Conditions 2035, Subsection 04 is deleted and replaced with the following Subsections 04, 05 and 06:

- 4. The total of the amounts, to which the Contractor is entitled to be paid under this section, together with any amounts paid, due or becoming due to the Contractor must not exceed the Contract Price.
- 5. Where the Contracting Authority terminates the entire Contract and the Articles of Agreement include a Minimum Work Guarantee, the total amount to be paid to the Contractor under the Contract will not exceed the greater of:
 - (a) the total amount the Contractor may be paid under this section, together with any amounts paid, becoming due other than payable under the Minimum Revenue Guarantee, or due to the Contractor as of the date of termination, or
 - (b) the amount payable under the Minimum Work Guarantee, less any amounts paid, due or otherwise becoming due to the Contractor as of the date of termination.
- 6. The Contractor will have no claim for damages, compensation, loss of profit, allowance arising out of any termination notice given by Canada under this section except to the extent that this section expressly provides. The Contractor agrees to repay immediately to Canada the portion of any advance payment that is unliquidated at the date of the termination.

(b) Supplemental General Conditions:

The following Supplemental General Conditions:

- (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
- (ii) 4006 (2010-08-16), Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information;

apply to and form part of the Contract.

5. Security Requirement

(a) The following security requirements apply to and form part of the Contract:

- (i) The Contractor must, at all times during the performance of the Contract, hold a valid Facility Security Clearance at the level of SECRET, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).

- (ii) The Contractor personnel requiring access to PROTECTED/CLASSIFIED information, assets or sensitive work site(s) must EACH hold a valid personnel security screening at the level of **SECRET**, granted or approved by CISD/PWGSC.
- (iii) The Contractor MUST NOT remove any PROTECTED/CLASSIFIED information from the identified work site(s), and the Contractor must ensure that its personnel are made aware of and comply with this restriction.
- (iv) Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
- (v) The Contractor must comply with the provisions of the:
 - (A) Security Requirements Check List and security guide (if applicable), attached at Annex C;
 - (B) *Industrial Security Manual* (Latest Edition).
- (b) Additional Security Requirement
 - (i) The CBSA, will conduct its own personnel Reliability Status assessment the Contractor (specifically the Contractor personnel), which is allowed under the Treasury Board Secretariat of Canada's (TBS) "Security and Contracting Management Standard" and the Policy on Government Security – Personnel Security Standard. Reliability Status assessment conducted by the CBSA will include a credit check.
 - (ii) If the Contractor (specifically the Contractor personnel), has already been screened under the TBS Policy on Government Security - Personnel Security Standard, the Contractor (specifically the Contractor personnel), will still undergo a security screening process to be conducted by the CBSA.
 - (iii) The credit check and fingerprinting, if required, will be performed by an authorized security official with the CBSA's "Personnel Security Screening Section" (PSSS), which is independent of the Public Works and Government Services Canada's (PWGSC), "Canadian and International Industrial Security Directorate" (CIISD).
 - (iv) Until the credit check, fingerprinting (if required) and all other security screening processes required have been completed and the Contractor (specifically the Contractor personnel) is deemed suitable by the CBSA, the Contractor (specifically the Contractor personnel) will not be permitted access to Protected / Classified information or assets, and further, will not be permitted to enter sites where such information or assets are kept.
- (c) The Company Security Officer (CSO) must ensure through the Industrial Security Program (ISP) that the Contractor and individual(s) hold a valid security clearance at the required level.

6. Contract Period

- (a) **Contract Period:** The "**Contract Period**" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:
 - (i) The "**Initial Contract Period**", which begins on the date the Contract is awarded and ends one year later; and
 - (ii) The period during which the Contract is extended, if Canada chooses to exercise any options set out in the Contract.
- (b) **Option to Extend the Contract:**
 - (i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to five additional one-year periods under the same terms and conditions.

The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

- (ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

7. Authorities

(a) Contracting Authority

The Contracting Authority for the Contract is:

Name: Nabil Ghaddab
 Title: Supply Specialist
 Public Works and Government Services Canada
 Acquisitions Branch
 Directorate: Space, Innovation, and Informatics Projects Directorate
 Address: 11 Laurier St., Gatineau, Québec
 Telephone: 873-469-4984
 E-mail address: nabil.ghaddab@tpsgc-pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

(b) Project Authority

The Project Authority for the Contract is:

Erin Lapensee
 Telephone: 343-291-6223
 Email: Erin.Lapensee@cbsa-asfc.gc.ca
 Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the Project content of the Work under the Contract. Project matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

In her absence, the Project Authority is:

Robert Penwarden
 Telephone: 343-291-5669
 Email: Robert.Penwarden@cbsa-asfc.gc.ca
 Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

OR

Matthew Woods
 Telephone: 343-291-5726
 Email: Matthew.Woods@cbsa-asfc.gc.ca

Address: 355 North River Road, Tower B, 17th Floor, Ottawa, Ontario, K1A 0L8, Canada

(c) **Contractor's Representative**

Name: Mark Coldham

Title: Account Executive

Organization: Donna Cona Inc

Address: 100-106 Colonnade Road, Ottawa ON, K2E 7L6

Telephone: (work) 613-234-5407

E-mail address: contracts@donnacona.com

8. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental web sites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

9. Payment

(a) **Basis of Payment**

- (i) **Professional Services provided under a Task Authorization with a Maximum Price:** For professional services requested by Canada, in accordance with a validly issued Task Authorization, Canada will pay the Contractor, in arrears, up to the Maximum Price for the TA, for actual time worked and any resulting deliverables in accordance with the firm all-inclusive per diem rates set out in Annex B, Basis of Payment, Applicable Taxes extra. Partial days will be prorated based on actual hours worked based on a 7.5-hour workday.
- (ii) **Travel and Living Expenses – National Joint Council Travel Directive** The Contractor will be reimbursed its authorized travel and living expenses reasonably and properly incurred in the performance of the Work, at cost, without any allowance for profit and/or administrative overhead, in accordance with the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the National Joint Council Travel Directive and with the other provisions of the directive referring to “travellers”, rather than those referring to “employees”. All travel must have the prior authorization of the Contracting Authority. Travel requests will only be considered for a work location which is located more than 100 kilometers from the National Capital Region. The Contractor will be paid for actual time spent travelling at half the hourly rate. The hourly rate will be determined by dividing the firm per diem rate set out in Annex B by 7.5 hours. All payments are subject to government audit.
- (iii) **Competitive Award:** The Contractor acknowledges that the Contract has been awarded as a result of a competitive process. No additional charges will be allowed to compensate for errors, oversights, misconceptions or underestimates made by the Contractor when bidding for the Contract.
- (iv) **Professional Services Rates:** In Canada's experience, bidders from time to time propose rates at the time of bidding for one or more Resource Categories that they later refuse to honour, on the basis that these rates do not allow them to recover their own costs and/or make a profit. This denies Canada of the benefit of the awarded contract. If the Contractor does not respond or refuses to provide an individual with the qualifications described in the Contract within the time described in the Contract (or proposes instead to provide someone from an alternate category at a different rate), whether or not Canada terminates the Contract as a whole or in part or chooses to exercise any of the rights provided to it under the general conditions, Canada may impose sanctions or take other measures in accordance with the PWGSC Vendor Performance Corrective Measure Policy (or equivalent) then in effect, which measures may include an

assessment that results in conditions applied against the Contractor to be fulfilled before doing further business with Canada, or full debarment of the Contractor from bidding on future requirements.

(b) **Limitation of Expenditure – Cumulative Total of all Task Authorizations**

- (i) Canada's total liability to the Contractor under the Contract for all validly issued Task Authorizations (TAs), inclusive of any revisions, must not exceed the amount set out on page 1 of the Contract, less any Applicable taxes. With respect to the amount set out on page 1 of the Contract, Customs duties are excluded and Applicable Taxes are included
- (ii) No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
- (iii) The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
 - (A) when it is 75 percent committed, or
 - (B) 4 months before the contract expiry date, or
 - (C) As soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all authorized TAs, inclusive of any revisions, whichever comes first.
- (iv) If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Providing this information does not increase Canada's liability.

(c) **Method of Payment for Task Authorizations with a Maximum Price:** For each Task Authorization validly issued under the Contract that contains a maximum price:

- (i) Canada will pay the Contractor no more frequently than once a month in accordance with the Basis of Payment. The Contractor must submit time sheets for each resource showing the days and hours worked to support the charges claimed in the invoice.
- (ii) Once Canada has paid the maximum TA price, Canada will not be required to make any further payment, but the Contractor must complete all the work described in the TA, all of which is required to be performed for the maximum TA price. If the work described in the TA is completed in less time than anticipated, and the actual time worked (as supported by the time sheets) at the rates set out in the Contract is less than the maximum TA price, Canada is only required to pay for the time spent performing the work related to that TA.

(d) **Time Verification**

Time charged and the accuracy of the Contractor's time recording system are subject to verification by Canada, before or after payment is made to the Contractor. If verification is done after payment, the Contract must repay any overpayment, at Canada's request.

(e) **Payment Credits**

- (i) **Failure to Provide Resource:**
 - (A) If the Contractor does not provide a required professional services resource that has all the required qualifications within the time prescribed by the Contract, the Contractor must credit to Canada an amount equal to the per diem rate (based on a 7.5-hour workday) of the required resource for each day (or partial day) of delay in providing the resource, up to a maximum of 10 days.
 - (B) **Corrective Measures:** If credits are payable under this Article for two consecutive months or for three months in any 12-month period, the Contractor must submit a written action plan describing measures it will implement or actions

it will undertake to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority and 20 working days to rectify the underlying problem.

(C) **Termination for Failure to Meet Availability Level:** In addition to any other rights it has under the Contract, Canada may terminate the Contract for default in accordance with the General Conditions by giving the Contractor three months' written notice of its intent, if any of the following apply:

- (1) the total amount of credits for a given monthly billing cycle reach a level of 10% of the total billing for that month; or
- (2) the corrective measures required of the Contractor described above are not met.

This termination will be effective when the three month notice period expires, unless Canada determines that the Contractor has implemented the corrective measures to Canada's satisfaction during those three months.

(ii) **Credits Apply during Entire Contract Period:** The Parties agree that the credits apply throughout the Contract Period.

(iii) **Credits represent Liquidated Damages:** The Parties agree that the credits are liquidated damages and represent their best pre-estimate of the loss to Canada in the event of the applicable failure. No credit is intended to be, nor will it be construed as, a penalty.

(iv) **Canada's Right to Obtain Payment:** The Parties agree that these credits are a liquidated debt. To collect the credits, Canada has the right to hold back, draw back, deduct or set off from and against any money Canada owes to the Contractor from time to time.

(v) **Canada's Rights & Remedies not Limited:** The Parties agree that nothing in this Article limits any other rights or remedies to which Canada is entitled under the Contract (including the right to terminate the Contract for default) or under the law generally.

(vi) **Audit Rights:** The Contractor's calculation of credits under the Contract is subject to verification by government audit, at the Contracting Authority's discretion, before or after payment is made to the Contractor. The Contractor must cooperate fully with Canada during the conduct of any audit by providing Canada with access to any records and systems that Canada considers necessary to ensure that all credits have been accurately credited to Canada in the Contractor's invoices. If an audit demonstrates that past invoices contained errors in the calculation of the credits, the Contractor must pay to Canada the amount the audit reveals was required to be credited to Canada, plus interest, from the date Canada remitted the excess payment until the date of the refund (the interest rate is the Bank of Canada's discount annual rate of interest in effect on the date the credit was first owed to Canada, plus 1.25% per year). If, as a result of conducting an audit, Canada determines that the Contractor's records or systems for identifying, calculating or recording the credits are inadequate, the Contractor must implement any additional measures required by the Contracting Authority.

(f) **No Responsibility to Pay for Work not performed due to Closure of Government Offices**

(i) Where the Contractor, its employees, subcontractors, or agents are providing services on government premises under the Contract and those premises are inaccessible because of the evacuation or closure of government offices, and as a result no work is performed, Canada is not responsible for paying the Contractor for work that otherwise would have been performed if there had been no evacuation or closure.

(ii) If, as a result of any strike or lock-out, the Contractor or its employees, subcontractors or agents cannot obtain access to government premises and, as a result, no work is performed, Canada is not responsible for paying the Contractor for work that otherwise

would have been performed if the Contractor had been able to gain access to the premises

10. Invoicing Instructions

- (a) The Contractor must submit invoices in accordance with the information required in the General Conditions.
- (b) The Contractor's invoice must include a separate line item for each subparagraph in the Basis of Payment provision, and must show all applicable Task Authorization numbers.
- (c) By submitting invoices, the Contractor is certifying that the goods and services have been delivered and that all charges are in accordance with the Basis of Payment provision of the Contract, including any charges for work performed by subcontractors.
- (d) The Contractor must provide the original to CBSA National Invoice Receiving Unit (Vendors-Fournisseurs@cbsa-asfc.gc.ca) for processing, and a copy to the Contracting Authority.

11. Certifications

The continuous compliance with the certifications provided by the Contractor in its bid, any TA quotation and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire Contract Period. If the Contractor does not comply with any certification, or fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

12. Federal Contractors Program for Employment Equity - Default by Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

13. Copyright In Material

- (a) In this section, "Material" means anything that is created by the Contractor as part of the Work under the Contract that is required by the Contract to be delivered to Canada and in which copyright subsists, excluding any computer software code and all documentation manuals or guides intended to assist end users or technicians in respect of that code. "Material" does not include anything created by the Contractor before the award date of the Contract.
- (b) Copyright in the Material belongs to Canada and the Contractor must include the copyright symbol and either of the following notice on the Material: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
- (c) The Contractor must not use, copy, divulge or publish any Material except as is necessary to perform the Contract. The Contractor must execute any conveyance and other documents relating to copyright in the Material as Canada may require.
- (d) The Contractor must provide at the request of Canada a written permanent waiver of moral rights, in a form acceptable to Canada, from every author that contributed to the Material. If the Contractor is the author of the Material, the Contractor permanently waives its moral rights in the Material.

14. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

15. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the following list, the wording of the document that first appears on the list has priority over the wording of any document that appears later on the list:

- (a) these Articles of Agreement, including any individual SACC clauses incorporated by reference in these Articles of Agreement;
- (b) Supplemental General Conditions, in the following order:
 - (i) 4002 (2010-08-16), Supplemental General Conditions - Software Development or Modification Services;
 - (ii) 4006 (2010-08-16), Supplemental General Conditions - Contractor to Own Intellectual Property Rights in Foreground Information;
- (c) General Conditions 2035 (2016-04-04), Higher Complexity - Services;
- (d) Annex A, Statement of Work - Annex A including its Appendices as follows:
 - (i) Appendix D to Annex A - Tasking Assessment Procedure;
 - (ii) Appendix E to Annex A - Task Authorization (TA) Form;
 - (iii) Appendix F to Annex A - Resource Assessment Criteria and Response Table;
 - (iv) Appendix G to Annex A - Certifications at the TA stage;
- (e) Annex B, Basis of Payment;
- (f) Annex C, Security Requirements Check List;
- (g) Annex D; Non-Disclosure Agreement;
- (h) the validly issued Task Authorizations and any required certifications (including all of their annexes, if any); and
- (i) the Contractor's bid dated November 7, 2016.

16. Foreign Nationals (Canadian Contractor)

- (a) SACC Manual clause A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)

17. Insurance Requirements

(a) Compliance with Insurance Requirements

- (i) The Contractor must comply with the insurance requirements specified in this Article. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.
- (ii) The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.
- (iii) The Contractor should forward to the Contracting Authority within ten (10) days after the date of award of the Contract a Certificate of Insurance evidencing the insurance coverage. Coverage must be placed with an Insurer licensed to carry out business in Canada and the Certificate of Insurance must confirm that the insurance policy complying with the requirements is in force. If the Certificate of Insurance has not been completed and submitted as requested, the Contracting Authority will so inform the Contractor and

provide the Contractor with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within the time period will constitute a default under the General Conditions. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

(b) **Commercial General Liability Insurance**

- (i) The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
- (ii) The Commercial General Liability policy must include the following:
 - (A) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - (B) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - (C) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - (D) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - (E) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - (F) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - (G) Employees and, if applicable, Volunteers must be included as Additional Insured.
 - (H) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
 - (I) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
 - (J) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - (K) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
 - (L) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
 - (M) Advertising Injury: While not limited to, the endorsement must include coverage for piracy or misappropriation of ideas, or infringement of copyright, trademark, title or slogan.

(c) **Errors and Omissions Liability Insurance**

- (i) The Contractor must obtain Errors and Omissions Liability (a.k.a. Professional Liability) insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature but for not less than \$1,000,000 per loss and in the annual aggregate, inclusive of defence costs.
- (ii) If the Professional Liability insurance is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- (iii) The following endorsement must be included:
 Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

18. Limitation of Liability - Information Management/Information Technology

- (a) This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees. This section applies regardless of whether the claim is based in contract, tort, or another cause of action. The Contractor is not liable to Canada with respect to the performance of or failure to perform the Contract, except as described in this section and in any section of the Contract pre-establishing any liquidated damages. The Contractor is only liable for indirect, special or consequential damages to the extent described in this Article, even if it has been made aware of the potential for those damages.
- (b) **First Party Liability:**
 - (i) The Contractor is fully liable for all damages to Canada, including indirect, special or consequential damages, caused by the Contractor's performance or failure to perform the Contract that relate to:
 - (A) any infringement of intellectual property rights to the extent the Contractor breaches the section of the General Conditions entitled "Intellectual Property Infringement and Royalties";
 - (B) physical injury, including death.
 - (ii) The Contractor is liable for all direct damages caused by the Contractor's performance or failure to perform the Contract affecting real or tangible personal property owned, possessed, or occupied by Canada.
 - (iii) Each of the Parties is liable for all direct damages resulting from any breach of confidentiality under the Contract. Each of the Parties is also liable for all indirect, special or consequential damages in respect of any unauthorized disclosure of the other Party's trade secrets (or trade secrets of a third party provided by one Party to another under the Contract) relating to information technology.
 - (iv) The Contractor is liable for all direct damages relating to any encumbrance or claim relating to any portion of the Work for which Canada has made any payment. This does not apply to encumbrances or claims relating to intellectual property rights, which are addressed under (i)(A) above.
 - (v) The Contractor is also liable for any other direct damages to Canada caused by the Contractor's performance or failure to perform the Contract that relate to:

- (A) any breach of the warranty obligations under the Contract, up to the total amount paid by Canada (including any applicable taxes) for the goods and services affected by the breach of warranty; and
- (B) Any other direct damages, including all identifiable direct costs to Canada associated with re-procuring the Work from another party if the Contract is terminated either in whole or in part for default, up to an aggregate maximum for this subparagraph (B) of the greater of .75 times the total estimated cost (meaning the dollar amount shown on the first page of the Contract in the cell titled "Total Estimated Cost" or shown on each call-up, purchase order or other document used to order goods or services under this instrument), or \$1,000,000.00.

In any case, the total liability of the Contractor under subparagraph (v) will not exceed the total estimated cost (as defined above) for the Contract or \$1,000,000.00, whichever is more.

- (vi) If Canada's records or data are harmed as a result of the Contractor's negligence or willful act, the Contractor's only liability is, at the Contractor's own expense, to restore Canada's records and data using the most recent back-up kept by Canada. Canada is responsible for maintaining an adequate back-up of its records and data.

(c) **Third Party Claims:**

- (i) Regardless of whether a third party makes its claim against Canada or the Contractor, each Party agrees that it is liable for any damages that it causes to any third party in connection with the Contract as set out in a settlement agreement or as finally determined by a court of competent jurisdiction, where the court determines that the Parties are jointly and severally liable or that one Party is solely and directly liable to the third party. The amount of the liability will be the amount set out in the settlement agreement or determined by the court to have been the Party's portion of the damages to the third party. No settlement agreement is binding on a Party unless its authorized representative has approved the agreement in writing.
- (ii) If Canada is required, as a result of joint and several liability or joint and solidarily liable, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada by the amount finally determined by a court of competent jurisdiction to be the Contractor's portion of the damages to the third party. However, despite Sub-article (i), with respect to special, indirect, and consequential damages of third parties covered by this Section, the Contractor is only liable for reimbursing Canada for the Contractor's portion of those damages that Canada is required by a court to pay to a third party as a result of joint and several liability that relate to the infringement of a third party's intellectual property rights; physical injury of a third party, including death; damages affecting a third party's real or tangible personal property; liens or encumbrances on any portion of the Work; or breach of confidentiality.
- (iii) The Parties are only liable to one another for damages to third parties to the extent described in this Sub-article (c).

19. Professional Services - General

- (a) The Contractor must provide professional services on request as specified in this Contract. All resources provided by the Contractor must meet the qualifications described in the Contract (including those relating to previous experience, professional designation, education, language proficiency and security clearance) and must be competent to provide the required services by any delivery dates described in the Contract.
- (b) If the Contractor fails to deliver any deliverable (excluding delivery of a specific individual) or complete any task described in the Contract on time, in addition to any other rights or remedies available to Canada under the Contract or the law, Canada may notify the Contractor of the

deficiency, in which case the Contractor must submit a written plan to the Project Authority within ten working days detailing the actions that the Contractor will undertake to remedy the deficiency. The Contractor must prepare and implement the plan at its own expense.

- (c) In General Conditions 2035, the Article titled "Replacement of Specific Individuals" is deleted and the following applies instead:

Replacement of Specific Individuals

- (i) If the Contractor is unable to provide the services of any specific individual identified in the Contract to perform the services, the Contractor must within five working days of having this knowledge, the individual's departure or failure to commence Work (or, if Canada has requested the replacement, within ten working days of Canada's notice of the requirement for a replacement) provide to the Contracting Authority:
- (A) the name, qualifications and experience of a proposed replacement immediately available for Work; and
 - (B) security information on the proposed replacement as specified by Canada, if applicable.

The replacement must have qualifications and experience that meet or exceed those obtained for the original resource.

- (ii) Subject to an Excusable Delay, where Canada becomes aware that a specific individual identified under the Contract to provide services has not been provided or is not performing, the Contracting Authority may elect to:
- (A) exercise Canada's rights or remedies under the Contract or at law, including terminating the Contract in whole or in part for default under the Article titled "Default of the Contractor", or
 - (B) assess the information provided under (c) (i) above or, if it has not yet been provided, require the Contractor to propose a replacement to be rated by the Project Authority. The replacement must have qualifications and experience that are similar or exceed those obtained for the original resource and be acceptable to Canada. Upon assessment of the replacement, Canada may accept the replacement, exercise the rights in (ii) (A) above, or require another replacement in accordance with this sub-article (c).

Where an Excusable Delay applies, Canada may require (c) (ii) (B) above instead of terminating under the "Excusable Delay" Article. An Excusable Delay does not include resource unavailability due to allocation of the resource to another Contract or project (including those for the Crown) being performed by the Contractor or any of its affiliates.

- (iii) The Contractor must not, in any event, allow performance of the Work by unauthorized replacement persons. The Contracting Authority may order that an original or replacement resource stop performing the Work. In such a case, the Contractor must immediately comply with the order. The fact that the Contracting Authority does not order a resource to stop performing the Work does not relieve the Contractor from its responsibility to meet the requirements of the Contract.
- (iv) The obligations in this article apply despite any changes that Canada may have made to the Client's operating environment.

20. Safeguarding Electronic Media

- (a) Before using them on Canada's equipment or sending them to Canada, the Contractor must use a regularly updated product to scan electronically all electronic media used to perform the Work for computer viruses and other coding intended to cause malfunctions. The Contractor must notify Canada if any electronic media used for the Work are found to contain computer viruses or other coding intended to cause malfunctions.

- (b) If magnetically recorded information or documentation is damaged or lost while in the Contractor's care or at any time before it is delivered to Canada in accordance with the Contract, including accidental erasure, the Contractor must immediately replace it at its own expense.

21. Representations and Warranties

The Contractor made statements regarding its own and its proposed resources' experience and expertise in its bid that resulted in the award of the Contract and the issuance of TA's. The Contractor represents and warrants that all those statements are true and acknowledges that Canada relied on those statements in awarding the Contract and adding work to it through TA's. The Contractor also represents and warrants that it has, and all its resources and subcontractors that perform the Work have, and at all times during the Contract Period they will have and maintain, the skills, qualifications, expertise and experience necessary to perform and manage the Work in accordance with the Contract, and that the Contractor (and any resources or subcontractors it uses) has previously performed similar services for other customers.

22. Access to Canada's Property and Facilities

Canada's property, facilities, equipment, documentation, and personnel are not automatically available to the Contractor. If the Contractor would like access to any of these, it is responsible for making a request to the Project Authority. Unless expressly stated in the Contract, Canada has no obligation to provide any of these to the Contractor. If Canada chooses, in its discretion, to make its property, facilities, equipment, documentation or personnel available to the Contractor to perform the Work, Canada may require an adjustment to the Basis of Payment and additional security requirements may apply.

23. Government Property

Canada agrees to supply the Contractor with the items listed in Sections 9. Client Support and 12. Technical Environment of Annex A, Statement of Work (the "**Government Property**"). The section of the General Conditions entitled "Government Property" also applies to the use of the Government Property by the Contractor.

24. Identification Protocol Responsibilities

The Contractor will be responsible for ensuring that each of its agents, representatives or subcontractors (hereinafter referred to as Contractor Representatives) complies with the following self-identification requirements:

- (a) Contractor Representatives who attend a Government of Canada meeting (whether internal or external to Canada's offices) must identify themselves as Contractor Representatives prior to the commencement of the meeting, to ensure that each meeting participant is aware of the fact that the individual is not an employee of the Government of Canada;
- (b) During the performance of any Work at a Government of Canada site, each Contractor Representative must be clearly identified at all times as being a Contractor Representative; and
- (c) If a Contractor Representative requires the use of the Government of Canada's e-mail system in the performance of the Work, then the individual must clearly identify him or herself as an agent or subcontractor of the Contractor in all electronic mail in the signature block as well as under "Properties." This identification protocol must also be used in all other correspondence, communication, and documentation.
- (d) If Canada determines that the Contractor is in breach of any obligation stated in this Article, upon written notice from Canada the Contractor must submit a written action plan describing corrective measures it will implement to eliminate the recurrence of the problem. The Contractor will have five working days to deliver the action plan to the Client and the Contracting Authority, and twenty working days to rectify the underlying problem.
- (e) In addition to any other rights it has under the Contract, Canada may terminate the Contract for default if the corrective measures required of the Contractor described above are not met.

ANNEX A
STATEMENT OF WORK

(SEE ATTACHED HERETO)

ANNEX B BASIS OF PAYMENT

1. Professional Services

In accordance with the Contract, the Contractor will be paid the following firm all-inclusive per diem rates for work performed pursuant to this Contract, Applicable Taxes extra.

Initial Contract Period:

Initial Contract Period (From February 24, 2017 to February 23, 2018)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

Option Periods:

Option Period 1 (From February 24, 2018 to February 23, 2019)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

Option Period 2 (From February 24, 2019 to February 23, 2020)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

Option Period 3 (From February 24, 2020 to February 23, 2021)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

Option Period 4 (From February 24, 2021 to February 23, 2022)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

Option Period 5 (From February 24, 2022 to February 23, 2023)		
Resource Category	Level of Expertise	Firm Per Diem Rate
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	Level 3	
Application/Software Architect - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	Level 3	
Application/Software Architect - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	Level 3	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	Level 3	
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	Level 3	
Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)	Level 3	
Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)	Level 3	
Business System Analyst - Specialty in IBM Master Data Management (MDM) - Data Governance	Level 3	

ANNEX C
SECURITY REQUIREMENTS CHECK LIST

(SEE ATTACHED HERETO)

ANNEX D

NON-DISCLOSURE AGREEMENT

I, _____, recognize that in the course of my work as an employee or subcontractor of _____, I may be given access to information by or on behalf of Canada in connection with the Work, pursuant to Contract No. #_____ between Her Majesty the Queen in right of Canada, represented by the President of the CBSA and _____, including any information that is confidential or proprietary to third parties, and information conceived, developed or produced by the Contractor as part of the Work. For the purposes of this agreement, information includes but not limited to: any documents, instructions, guidelines, data, material, advice or any other information whether received orally, in printed form, recorded electronically, or otherwise and whether or not labeled as proprietary or sensitive, that is disclosed to a person or that a person becomes aware of during the performance of the Contract.

I agree that I will not reproduce copy, use, divulge, release or disclose, in whole or in part, in whatever way or form any information described above to any person other than a person employed by Canada on a need to know basis. I undertake to safeguard the same and take all necessary and appropriate measures, including those set out in any written or oral instructions issued by Canada, to prevent the disclosure of or access to such information in contravention of this agreement.

I also acknowledge that any information provided to the Contractor by or on behalf of Canada must be used solely for the purpose of the Contract and must remain the property of Canada or a third party, as the case may be.

I agree that the obligation of this agreement will survive the completion of the Contract No. #_____.

Signature

Date

Annex A - Statement of Work (SOW)

Acquisition of Professional Services for SOAPS-MDMS-ERASS

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1. Introduction

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various key initiatives (e.g. Beyond the Border, Entry-Exit, Biometrics, Generic Passage Flow), and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

In order to advance the planning, development and implementation of the CBSA's transformation agenda, ISTB has implemented an enterprise approach to the management of its portfolio of systems, projects and services. The following key steps have been taken to implement this enterprise approach to portfolio management:

- The creation of ISTB Service Portfolio Directorates – Corporate, Commercial, Traveler and Common Services;
- The implementation of a Service Life Cycle Management Framework (SLMF) to help align the provision of ISTB services with the needs of CBSA. The SLMF is used to integrate the methods, processes, roles and responsibilities within ISTB with CBSA's business strategy to deliver value. The SLMF establishes a baseline from which ISTB can plan, build, operate, manage and evolve services; and
- The alignment and implementation of the following frameworks: Project Management, Project Portfolio and Service Life Cycle Management.

As part of this transformation the Common Services Portfolio has been created with the mandate of leading key projects to deliver various new enterprise building block capabilities and services for CBSA. These projects include Service Oriented Architecture Platform Services (SOAPS), Master Data Management Services (MDMS), and Enterprise Risk Assessment Support Services (ERASS). Together, they will provide enterprise back-end capabilities for Entry-Exit and other key CBSA initiatives.

2. Background

The Common Services Portfolio has a mandate to plan, lead and stand up, in multiple releases, key mission-critical, large-scale, high-volume foundational services to deliver increased horizontal capabilities and services for CBSA. The services to be implemented are Service Oriented Architecture Platform Services (SOAPS), Master Data Management Services (MDMS), and Enterprise Risk Assessment Support Services (ERASS).

The delivery of these foundational services will allow CBSA to increase its ability to meet its security obligations and provide both efficient and effective management of its resources in support of risk management and assessment activities.

2.1 SOAPS

SOA will enable reusable, horizontal enterprise services providing modern, robust, and agile IT services. The CBSA SOA services will be realized by integrating a number of Commercial Off-the-Shelf (COTS) products, augmented by custom development for capabilities not readily available in the market.

The SOA platform services will be a cornerstone of CBSA's information technology systems to promote the development of horizontal services within the enterprise, they will enable re-use of common business function.

These platform services will be used by CBSA Lines of business (LOB) initiatives to develop and deploy IT-enabled business services. COTS products, ESB IBM Integrated Bus (IIB), IBM Business Process Manager (BPM), IBM Operational Decision Manager (ODM) Standard, and IBM Operational Decision Manager (ODM) Advanced will be used to enable and support the SOA platform services.

2.2 MDMS

MDM will become the authoritative system of record for CBSA's people and business tombstone data and will be critical in enabling a 360 degree view of people and businesses. After the MDM system is put in place, all systems at CBSA will have the ability to integrate with the MDM solution when requiring access to people and business tombstone data.

Stewards responsible for maintaining the MDM data quality will be put in place as part of the initiative and will align to the overall direction for data governance to be provided by the Enterprise Data Governance initiative.

An ingestion service based on IBM InfoSphere DataStage and QualityStage COTS, under the IBM InfoSphere Information server (IIS) product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

The MDMS requires the use of the following architecture components:

- The Master Data Management (MDM) component will provide services to maintain and search party information (businesses and people) as well as a user interface to govern the mastered data (data stewardship interface).
- The Data Preparation and Loading Service (DPLS) component will provide services to extract, cleanse, standardize, transform and ingest data during initial load as well as ongoing operational processes.

2.3 ERASS

Enterprise Risk Assessment Support Service (ERASS) will build upon the SOA platform to deliver the Entity Resolution and Search Service providing enterprise services in support of the CBSA risk assessment landscape.

Its primary services relate to identity resolution, fuzzy search, and federated search of information related to a specified person across multiple LOB systems. ERASS is dependent on MDMS and SOAPS as a result of service provisioning and utilization amongst them.

ERASS will leverage MDMS for entity resolution, data preparation, and data loading services. ERASS will also require the ESB component within SOAPS to host the public interface and processes that comprise the services offered by ERASS.

Additionally, ERASS could make use of Informatica SSA Name 3 as a component of the Fuzzy Search Service. Relationship resolution is an additional service offered by ERASS which will provide obvious and non-obvious relationship discovery capabilities for ingested entities. The Relationship Resolution Service (RRS) will require IBM's InfoSphere Identity Insight (ISII) COTS software product as an architecture component.

2.4 Travellers – Entry-Exit

Entry-Exit will be the initial on-boarder to the components included in the SOA platform services. Entry-Exit is responsible for the development of a key Government of Canada commitment under the Canada US Border Action plan, to create a Canadian entry and exit information system which will, ultimately, provide a valuable new source of information with potential benefits for security, law enforcement and program integrity. The key deliverables of the Entry-Exit Project rely on the ability to identify individuals and recognize if they are known or unknown to CBSA.

The delivery of the Entry-Exit project is dependent on the components found in the SOA platform services. Entry-Exit will leverage the SOA and MDM components to deliver the following:

- Calculating duration of complete Entry to Exit Events.
- Calculating duration of complete Exit to Entry Events
- Calculating duration of open Exit Events.
- Calculating duration of open Entry Events.
- Calculating complete events over specified periods of time.
- Reconciliation of data from multiple sources to create an Entry or Exit Event.
- Determination of mode of transportation.
- Enhanced people name searching and matching support;
- Identity resolution for entities that exist in multiple databases;
- Relationship resolution for entities across multiple databases, and;
- Alerting.

An ingestion service based on IBM InfoSphere DataStage and QualityStage COTS, under the IIS product suite, will be used to feed required data (initial loads and ongoing feeds) from various CBSA data sources into relevant COTS for search purposes.

3. Objective

The specific objective of this procurement is to acquire the professional services on an as required basis to support the work of CBSA in the establishment and integration of the above mentioned key mission-critical foundational services, i.e. SOAPS, MDMS, and ERASS.

It is expected that the Contractor's resources will be used across CBSA. The resources will be involved in the architecture and design, development, configuration, testing, optimization, integration with other related components and systems, deployment, and support and maintenance of the above mentioned foundational services in a complex technical environment using the Crown-owned suite of commercial off-the-shelf (COTS) products.

4. Scope

The scope of work consists of the acquisition of professional services to provide guidance, expertise, deliverables, and assistance to perform the development, deployment, configuration, integration, and post-implementation maintenance support of the architecture components required for SOAPS, MDMS, and ERASS.

On an as and when requested basis, through the issuance of Task Authorizations (TAs), the Contractor must perform the tasks as described in section 7 below.

To realize this delivery within the time constraints, CBSA foresees a requirement for the assistance of professional services, starting from October 2016 until the end of March 2020, in the following domains: (1) architecture, (2) software development and configuration, (3) system analysis, (4) testing services, (5) business analysis, (6) IT Security, and (7) systems-solutions integration.

CBSA plans to iterate the delivery of the above-mentioned services through phases identified in section 5 below: (1) Planning, (2) Building, (3) Verification, (4) Production, (5) On-Boarding, (6) Maintenance. Each phase will include embedded controls and checkpoints and will require the work of professional services for which categories and tasks are identified below in sections 6 and 7. The resources may be required to perform tasks in any or all of the phases. These services need to be delivered in accordance with CBSA approved methodologies and frameworks.

4.1 Out of Scope – End-User Support

The Contractor will not be required to provide End-User Support following post-implementation of the architecture components required for SOAPS, MDMS, and ERASS.

5. Phases

The work delivery of the above-mentioned services will need to be performed iteratively through phases. Each phase has a set of expected deliverables. Note that there may be some overlap in the timing of the phases such that a later phase may begin before the prior phase has completed.

Deliverables may include but are not limited to the following:

1. Planning Phase – System Requirements Specifications (SRS), Architecture and Design Specification (ADS), System Use Cases (SUC), System Requirements Traceability Matrix (S-RTM), high level architecture, preliminary User Interface (UI) screens, and master test plan;
2. Building Phase – System components and integration, unit, integration and component test plan, development release notes, ADS, S-RTM, Test to System Requirements Traceability Matrix (TS-RTM), implementation schedule;
3. Verification Phase – Master test plan (fully defined), functional acceptance plan, verification test plan, verification test report, release notes, defects, build book, component and integration documentation, screen captures and hierarchy, ADS, TS-RTM, production implementation schedule;
4. Production Phase – SRS, comprehensive traceability matrix, master test plan, test reports, ADS, operations release guide, release notes, Service Level Agreements (SLAs), build book;
5. On-boarding Phase – client engagement plan, technical qualification and assessment, client readiness and development, integration endorsement and testing, production readiness assessment, implementation schedule, SRS, ADS, SUC;
6. Maintenance Phase – Maintenance system documentation, maintenance component and integration documentation, maintenance performance verification testing, operations services documentation, monitoring and reporting requirements.

6. Resource Categories

The table below identifies the categories of expert resources that CBSA anticipates requiring on an as and when requested basis.

TBIPS Category	Level of Expertise	Area of expertise
Programmer/Software Developer	3	Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage
	3	Specialty in IBM Master Data Management (MDM) - Java development
	3	Specialty in pME (probabilistic Matching Engine) - Matching algorithm development
	3	Specialty in IBM Infosphere Identity Insight (ISII)
	3	Specialty in IBM Global Name Management (GNM)
Application/Software Architect	3	Specialty in IBM Master Data Management (MDM) Server
	3	Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage
	3	Specialty in IBM Infosphere Identity Insight (ISII)
Business System Analyst	3	Specialty in IBM Master Data Management (MDM) - Data Governance.

7. Tasks and Activities

This section describes the categories of expert resources and the basic responsibilities for each that CBSA anticipates will be required to build, integrate, test, and deploy a large-scale integrated SOA, MDM, and ERASS foundation. The Contractor may be required to perform the tasks and produce the deliverables identified, but not limited to, the lists provided below. Each individual Task Authorization (TA) will detail the specific tasks and deliverables to be completed.

7.1 Programmer/Software Developer

The resources identified may be required to participate in any or all phases identified in the Scope section above.

7.1.1 Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Tasks (may include but not limited to the following) -

- Develop DataStage extract, transform, and load (ETL) jobs using the DataStage ETL scripting language to extract source data, transfer data and generate MDM xml requests;
- Develop jobs to extract data from Master Data Management (MDM), and load into CBSA data source;

- Design, develop and test QualityStage name standardization jobs using the QualityStage scripting language based on CBSA name standardization rules provided; and
- Perform integration with the following: IBM Enterprise Service Bus, IBM Integration Bus (ESB-IIB), and MDM.

Deliverables (may include but not limited to the following) –

- Detailed design documents for all customized code and configuration solution components for Extract, Transform, and Load (ETL) jobs using IBM IIS DataStage;
- Detailed design documents for all customized code and configuration solution components for ETL jobs using IBM IIS QualityStage;
- ETL jobs for:
 - CBSA MDM data ingestion from source databases; and
 - Loading MDM CBSA entity identification to source system.
- QualityStage jobs for CBSA name standardization; and
- Loading MDM data into MDM downstream systems such as Enterprise Data Warehouse (EDW) or Business Intelligence (BI).

7.1.2 Specialty in IBM Master Data Management (MDM) - Java development

Tasks (may include but not limited to the following) -

- Review of MDM detail design document in order to confirm or identify implementation approach;
- Design and develop IBM MDM server solution components including web service customizations and user interface customizations using Java technologies;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Document the processes and steps needed to build, administer and support all tests, development and production environments;
- Perform MDM knowledge transfer to CBSA application support team;
- Perform the activities required for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Modify service or solution design, as necessary;
- Confirm continued operation of integrated service or solution;
- Integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Integration IBM InfoSphere Information Server (IIS) QualityStage and DataStage; and
- Package fixed or enhanced solution for redeployment.

Deliverables (may include but not limited to the following) –

- System requirements, System Use Cases;

- Application code, including customizations;
- Updated detailed design documents;
- Developed, integrated and tested MDM component working with an approved interchange data format; and
- MDM server solution component packaging and promotion strategy document.

7.1.3 Specialty in pME (probabilistic Matching Engine) - Matching algorithm development

Tasks (may include but not limited to the following) –

- Lead business requirement gathering on party matching scenarios;
- Design and implement IBM MDM server business rule configurations including pME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM pME matching algorithm based on business requirements;
- Review matching result with business team;
- Support MDM initial load and incremental process; and
- MDM pME matching algorithm developer will be provided with CBSA data source to MDM data mapping document, and subset of CBSA production source data.

Deliverables (may include but not limited to the following) –

- System Use Cases, system requirements;
- Detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components;
- High Level Design document for pME rules, duplicate suspect processing and data survivorship rules;
- Application code, including customizations;
- pME configuration;
- Unit, integration and system test plan documents and customized code, and configuration solution components for IBM InfoSphere MDM Server related solution components;
- IBM InfoSphere MDM server solution component packaging and promotion strategy document;
- Fully configured and tested probability Matching Engine (pME) working with an approved interchange data format and matching business requirements; and
- Other analysis, advice, and guidance as required.

7.1.4 Specialty in IBM Infosphere Identity Insight (ISII)

Tasks (may include but not limited to the following) -

- Package Service solution for deployment;
- Perform initial and ongoing data ingestion;
- Design and develop integration points with new data sources;
- Configure deliverables to integrate into CBSA testing environment;

- Tune performance of solution (including data review and validation);
- Tune solution to meet non-functional requirements;
- Conduct functional and non-functional testing in CBSA environment; and
- Conduct integration testing with CBSA applications and other components include ESB-IIB, MDM, IIS DataStage and QualityStage.

Deliverables (may include but not limited to the following) –

- Application code, including customizations;
- Detailed design documents for all customized code and configuration; and
- System requirements and system use cases.

7.1.5 Specialty in IBM Global Name Management (GNM)

Tasks (may include but not limited to the following) -

- Work collaboratively in a multi-disciplinary project environment contributing significant IBM Global Name Management (GNM) solution expertise;
- Contribute to name standardization rules;
- Document and analyze complex business requirements, business rules, System Use Cases and system requirements;
- Design and develop IBM GNM solution components including web service customizations and user interface customizations using Java technologies;
- Design and develop system integration components to integrate the IBM GNM solution with CBSA business systems and third party reference data sources; and
- Contribute to planning and execution of performance testing of IBM GNM solution.

Deliverables (may include but not limited to the following) –

- System Use Cases, system requirements;
- Detailed design documents for all customized code and configurations for IBM GNM related solution components;
- High level design document for name standardization rules;
- Application code, including customizations;
- Unit, integration and system test plan documents and customized code and configuration solution components for IBM GNM related solution components;
- Developed, integrated and tested GNM component working with an approved interchange data format; and
- IBM GNM component packaging and promotion strategy document.

7.2 Application/Software Architect

7.2.1 Specialty in IBM Master Data Management (MDM) Server

Tasks (may include but not limited to the following) -

- Provide assistance and guidance to install, configure, and test MDM products to all CBSA environments and document;
- Assist in MDM infrastructure design;
- Review MDM Server components hardware sizing;
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for IBM InfoSphere MDM Server environment;
- Perform knowledge transfer to CBSA application support team;
- Provide best practices on IBM MDM implementation;
- Assist on MDM and other CBSA Data sources data mapping;
- Review MDM data mapping and MDM business functional requirement;
- Review CBSA non-functional requirement;
- Provide MDM high level design and detail design;
- Provide assistance and guidance to the MDM development team;
- Assist the test coordinator(s) with preparing test cases and providing input to test plans to validate final designs;
- Assist the project manager for resource planning;
- MDM security frameworks and integration with CBSA security policy and identity stores;
- Provide guidance for MDM performance tuning; and
- Integration with ESB-IIB, IIS and ISII.

Deliverables (may include but not limited to the following) –

- Design of MDM environment integrated with IIS server in CBSA data center;
- Installation scripts to install MDM Server on different environments;
- Availability, fail-over and recoverability strategies;
- Step by step installation documentation with screenshots;
- MDM solution high level design document; and
- MDM components detailed design document.

7.2.2 Specialty in IBM InfoSphere Information Server (IIS) – DataStage and Quality Stage

Tasks (may include but not limited to the following) -

- Review CBSA IIS server installation topology;
- Provide assistance and guidance to install and configure information server products for CBSA including WebSphere Information Services Director of Information Server;
- Ensure proper DataStage and QualityStage project version control is in place;
- Provide technical expertise to install and configure InfoSphere for the integration of IIS components;
- IIS security frameworks and integration with CBSA security policy and identity stores; and
- Provide assistance and guidance to performance tuning, load balancing and optimization strategies for IBM InfoSphere in the context of the MDM Server environment.

Deliverables (may include but not limited to the following) –

- Design documentation for IIS server HA environment in CBSA data center, integrated with MDM server; and
- IIS server step by step installation documentation with screenshots.

7.2.3 Specialty in IBM Infosphere Identity Insight (ISII)

Tasks (may include but not limited to the following) -

- As an IBM ISII subject matter expert (SME), provide technical expertise to install and configure of ISII COTS product;
- Prepare and load ISII repository data and setup ongoing data ingestion;
- Support business and technical teams by providing expertise and advice regarding the ISII product usage to meet the business functional requirements;
- Provide assistance on integration with CBSA applications and other components including ESB-IIB, IIS DataStage and QualityStage;
- Provide expertise in the integration of ISII with IBM MDM system;
- ISII security frameworks and integration with CBSA security policy and identity stores;
- Transfer knowledge through documentation and solution design artifacts; and
- Configure matching rules based on various business requirements.

Deliverables (may include but not limited to the following) –

- Technical work breakdown and execution sequence;
- Design options and recommendations;
- Input to MDM standards, procedures, and data governance;
- Development and implementation strategy; and
- Written analysis, strategic advice, and guidance as required.

7.3 Business System Analyst

The resources identified may be required to participate, on demand, in any or all phases identified in the Scope section above.

7.3.1 Specialty in IBM Master Data Management (MDM) – Data Governance

Tasks (may include but not limited to the following) –

- Responsible for the establishment, maintenance and execution of master data policies and workflow management, proactively maintain the integrity and accuracy of CBSA master data;
- Establish master data policies and procedures to ensure data meets defined quality targets;
- Understand CBSA enterprise data model and processes to successfully define party attributes within master data databases;
- Establish the policies for setting up, maintaining, validating and cleansing CBSA party data;
- Maintain changes to data process maps, document new processes and support ongoing audit requirement;
- Act as subject matter expert and support CBSA projects to ensure that processes meet data policies and procedures best practices;
- Assist senior manager in defining guidelines and KPI for all master data parameters, and build and maintain a data governance framework;
- Assist MDM teams in the creation of business rules, entities, party attributes;
- Understand CBSA application data model and MDM data model;
- Perform CBSA master data maintenance;
- Resolve duplicate suspect parties in MDM database; and
- Identify and resolve data quality issues.

Deliverables (may include but not limited to the following) –

- CBSA master data governance business requirement documents;
- CBSA master data governance business process and rules documents;
- MDM data maintenance report;
- MDM suspect duplication resolution report; and
- MDM data quality issue and solution report.

8. Constraints

Professional resources procured through this vehicle will be expected to adhere to the CBSA operating model, following CBSA standards and processes to accomplish their project work. The Contractor's resources will be required to abide by architectural design documents which have been developed and approved prior to the commencement of their services such as Release Proposal, Architecture Design Specification, and System Use Cases. CBSA will provide copies of all templates and policies applicable after contract award.

The professional services resources will be integrated into and collaborating with various CBSA responsibility centers working alongside CBSA employees and other professional contracted resources of varying disciplinary backgrounds.

Knowledge transfer, application code developed for CBSA, and documentation as necessary is expected from all professional resources hired through this vehicle and is required to ensure that CBSA personnel have the knowledge and mechanisms to independently support and sustain the infrastructure deployed through this contract.

Both software and hardware specifications identified in Section 12.2 and 12.3 respectively are provided for information purposes only and may be subject to change. Additional hardware and software components will be included in the applicable Task Authorizations.

Each Task Authorization will identify any additional constraints if applicable.

9. Client Support

CBSA will ensure that the Contractor's resource is provided with:

- Security access to the building; and
- Access to relevant project documentation; and
- Workspace and CBSA equipment.

10. Work Location

The specific work location will be identified in each Task Authorization. Unless specified otherwise, the work location will be a CBSA office in the National Capital Region (NCR).

11. Language Requirement

The resources must be able to perform the work and provide any deliverables in English. Each Task Authorization will identify the specific language requirements.

12. Technical Environment

The Canada Revenue Agency (CRA) and Shared Services Canada (SSC) currently provide infrastructure services to CBSA.

12.1 CBSA High-Availability (HA) Environment

Critical CBSA business applications require 24-7 availability and dual data center failover. As such, the computing environment including both infrastructure and software applications must be well integrated in ensuring critical CBSA systems are available at all time. This requires an application ability to mask both scheduled and un-scheduled outages. If required, CBSA standard Relational Database Management Systems (RDBMS) are available to store, report and retrieve enterprise authorized data on the CBSA enterprise platforms as defined by the CBSA technical platform document.

The integration of software applications in a highly available environment, paramount to support the model for the SOAPS, may include, but is not limited to, the following technologies:

- Clustered or redundant Web technologies: WebSphere, and Apache.
- Clustered or redundant DBRMS: DB2 with PureScale.
- Redundant LDAP, SiteMinder, and Identity Manager.
- Load balancer technologies using Apache servers and network appliances.
- Cognos SPSS
- SSA-Name3

12.2 Software Components

CBSA owns all licenses to use the IBM products found in the table below:

Architecture Component	COTS	Version and Platform	DB and Platform	Description
Master Data Management (MDM)	IBM Master Data Management (MDM)	11.5 on Linux	DB2 on Linux	MDM provides maintenance and search capabilities for mastered businesses and people
Global Name Management (GNM)	IBM Global Name Management (GNM)	5.0 or above	N.A.	Name structure recognition with cultural backgrounds.
Data Preparation and Loading Service (DPLS)	IBM DataStage (DS) and QualityStage (QS)	IIS 11.5	DB2 on Linux	DS and QS extract data from data sources, cleanses, standardizes and loads it into the target database
Business Process Management (BPM)	IBM Business Process Management (BPM) Advanced	8.5.6 or above on Linux	DB2 on Linux	BPM provides business process automation.

Enterprise Service Bus (ESB)	IBM IIB	10 or above	DB2 on Linux	IBM Integration Bus connects applications together. It routes, transforms, and enriches messages from one location to any other location.
Business Rules Management Service (BRMS) and Event Management Service (EMS)	IBM ODM Advanced	8.7 or above	DB2 on Linux	ODM manages the business decision logic that is used by operational systems
	IBM ODM Standard			
Relationship Resolution Service (RRS)	IBM InfoSphere Identity Insight (ISII)	8.1.0 or above	DB2 on Linux	IBM InfoSphere Identity Insight resolves inconsistent, ambiguous identity records into comprehensive entities across multiple data sets
IBM SOA Integrated Development tools	IBM integration Designer, IBM Integration Explorer, IBM Business Process Designer, IBM ODM Rule Designer, IBM ODM Decision Server Event Designer	Various	DB2 on Linux	Set of tool to support the development and implementation of an integrated SOA, MDM, and ERASS foundation.

12.3 Hardware specification

The following table provides the hardware specifications in anticipation of the integrated SOA, MDM, and ERASS foundation implementation and delivery:

Component	Hardware	Specifications	Units
MDM	Server specification	Xeon ES-2650 2x8 with 70 PVU score	
	Servers	Blade (Without VM)	36
		Blade (With VM)	30
	Chassis		6
	SAN Storage	Primary Disk capacity (Gb)	15862.50 (gb)
		Mirrored capacity (Gb)	15862.50 (gb)
		SAN ports	
SOA	Servers	Blade 32 cores	8.5625
	Chassis		4

Appendix A – Non-Functional Requirements

Volumetric – expected peak number of transactions per second

The following table illustrates the expected volumes (peak number of transactions per second) that are associated with the functioning services:

Component	Service	Year				
		2016	2017	2018	2019	2020
SOA	ESB	36.54	76.37	77.89	79.45	81.04
	BPM	19.21	19.60	19.99	20.39	20.80
	BRMS	27.35	66.99	68.33	69.70	71.09
	EMS	0.42	0.81	0.83	0.85	0.86
ERASS	ERSS	35.76	36.52	37.30	38.10	38.92

Volumetric – Volumes

Component	COTS	Demand Unit	Release 1	Release 2
MDM	IBM MDM	Created businesses during initial load	6,000,000	N.A.
		Peak transactions per second	27	49
DPLS	IBM DataStage	Peak transactions per second	27	49
	IBM QualityStage or AVI	Transactions per second	27	49

Volumetric – ID resolution and reconciliation RP

Reconciliation and identity resolution is tightly aligned with Master Data Management (MDM) services for initial load, and coupled with query functionality for ongoing operations.

- Created people during initial load 63,000,000
- Created new people in 5 years after release 50,000,000

Availability

- The SOA enablement solution system must be highly available for 24-7 service with planned outages of 2 hours per month or 99.9+% operational ability.
- ERASS must be highly available for 24-7 service with 99.5% operational ability.
- MDM must be available 24 hours per day, 7 days per week, and 365 days per year.

Appendix B – Acronyms

Acronym	Description
ADS	Architecture and Design Specification
BI	Business Intelligence
BPMN	Business Process Modeling Notation
BUC	Business Use Cases
CBSA	Canada Border Services Agency
COTS	Custom Off The Shelf
CRA	Canada Revenue Agency
DPLS	Data Preparation and Loading Service
EDW	Enterprise Data Warehouse
EFSS	Entity Fuzzy Search Service
ERASS	Enterprise Risk Assessment Support Services
ERSS	Entity Resolution and Search Service
ESB	Enterprise Service Bus
ETL	Extract, Transform, and Load
GNM	Global Name Management
GoC	Government of Canada
GC SOA	Government of Canada Service Oriented Architecture
HA	High Availability
IIB	IBM Integration Bus
IIS	InfoSphere Information Server
ISII	InfoSphere Identity Insight
ISTB	Information, Science and Technology Branch
KPI	Key Performance Indicator
LDAP	Lightweight Directory Access Protocol
LOB	Line of Business
MDM	Master Data Management
MDMS	Master Data Management Services
NCR	National Capital Region
ODM	Operational Decision Management
pME	probabilistic Matching Engine
RDBMS	Relational Database Management System
REST	Representational State Transfer
ROI	Return on Investment
RP	Release Proposal
RRS	Relationship Resolution Service
SAN	Storage Area Network
SCM	Software Configuration Management
SLA	Service Level Agreement
SME	Subject Matter Expert
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SOAPS	Service Oriented Architecture Platform Services
SRS	System requirements specification

S-RTM	System Requirements Traceability Matrix
SUC	System Use Cases
SSC	Shared Services Canada
TA	Task Authorization
TS-RTM	Test to System Requirements Traceability Matrix
UML	Unified Modeling Language

Appendix C – Glossary

Acronym or Term	Description
ADS	An Architecture and Design Specification (ADS) document contains architecture and design information. The Architecture definition is contained in Parts 1 and 2; and the Design is captured in Parts 3 and 4.
BPM	Business process management (BPM) is a discipline that uses various methods to discover, model, analyze, measure, improve, and optimize business processes. A business process coordinates the behavior of people, systems, information, and things to produce business outcomes in support of a business strategy.
Deployment	Deployment services support the implementation and rollout of new applications or infrastructure. Activities may include hardware or software procurement, configuration, tuning, staging, installation and interoperability testing.
ETL	ETL is short for extract, transform, and load, three database functions that are combined into one tool to pull data out of one database and place it into another database. <ul style="list-style-type: none"> • Extract is the process of reading data from a database. • Transform is the process of converting the extracted data from its previous form into the form it needs to be in so that it can be placed into another database. Transformation occurs by using rules or lookup tables or by combining the data with other data. • Load is the process of writing the data into the target database.
Implementation	A term used to designate the phases of the system lifecycle that are responsible for the delivery of an information system. It includes the initiation, development and acquisition, and integration and installation phases of the system lifecycle, but excludes the operations and maintenance phase and the disposal phase.
Master Data Management	Master data management (MDM) of product data solutions are software products that: <ul style="list-style-type: none"> • Support the global identification, linking and synchronization of product information across • heterogeneous data sources through semantic reconciliation of master data • Create and manage a central, persisted system of record or index of record for master data • Enable delivery of a single product view to all stakeholders, in support of various business benefits • Support ongoing master data stewardship and governance requirements through workflow-based • monitoring and corrective action techniques
Project implementation	Project implementation or execution is directing, managing, performing and accomplishing the project work, providing the deliverables, and providing work performance information.
Relationship analytical tool	A system that provides services to analyze identities and their relationship for the purpose of fraud detection and risk assessment.
SOA	SOA is an approach for developing enterprise information systems solutions based on services. SOA is an industry best practice, which promotes open architecture. SOA aims to align information system services with business processes and data to enable re-use of business level functions. SOA is a foundation architecture that will influence systems development across the Agency's line of business portfolios.

GC SOA	The GC Service Oriented Architecture (GC SOA) is a comprehensive reference model that guides the use and adoption of Service Oriented Architectures (SOA) across the Government of Canada.
System integration	It ensures that the various segments and elements of the total system can interface with each other and with the external environment. [Thayer & Thayer European Perspective 1993]

Appendix D – Tasking Assessment Procedure

1. Where a requirement for a specific task is identified, a draft Task Authorization Form (TA Form) as attached at Appendix E to Annex A will be provided to the Contractor in accordance with the allocation methodology stated in the Contract Article titled "Allocation of Task Authorizations". Once a draft TA Form is received, the Contractor must submit to the Technical Authority a quotation of rates to supply the requested Resource Categories based on the information identified in the TA Form. The quotation must be signed and submitted to Canada within the time for response identified in the TA Form. The Contractor will be given a minimum of 3 working days turnaround time to submit a quotation.
2. For each proposed resource the Contractor must supply a résumé, the requested security clearance information and must complete the Response Tables at Appendix F of Annex A applicable to the Resource Categories identified in the draft TA. The same individual must not be proposed for more than one Resource Category. The résumés must demonstrate that each proposed individual meets the qualification requirements described (including any educational requirements, work experience requirements, and professional designation or membership requirements). With respect to the proposed resources:
 - (i) Proposed resources may be employees of the Contractor or employees of a subcontractor, or these individuals may be independent contractors to whom the Contractor would subcontract a portion of the Work. (Refer to Appendix G to Annex A, Certifications).
 - (ii) For educational requirements for a particular degree, designation or certificate, Canada will only consider educational programmes that were successfully completed by the resource before the date the draft TA was first issued to the Contractor.
 - (iii) For requirements relating to professional designation or membership, the resource must have the required designation or membership by the time of draft TA issuance and must continue, where applicable, to be a member in good standing of the profession or membership throughout the assessment period and Contract Period. Where the designation or membership must be demonstrated through a certification, diploma or degree, such document must be current, valid and issued by the entity specified in this Contract or if the entity is not specified, the issuer must have been an accredited or otherwise recognized body, institution or entity at the time the document was issued.
 - (iv) For work experience, Canada will not consider experience gained as part of an educational programme, except for experience gained through a formal co-operative programme at a post-secondary institution.
 - (v) For any requirements that specify a particular time period (e.g., 2 years) of work experience, Canada will disregard any information about experience if the résumé does not include the relevant dates (month and year) for the experience claimed (i.e., the start date and end date). Canada will evaluate only the duration that the resource actually worked on a project or projects (from his or her start date to end date), instead of the overall start and end date of a project or a combination of projects in which a resource has participated.
 - (vi) A résumé must not simply indicate the title of the individual's position, but must demonstrate that the resource has the required work experience by explaining the responsibilities and work performed by the individual while in that position. Only listing experience without providing any supporting data to describe responsibilities, duties and relevance to the requirement, or reusing the same wording as the TA Form, will not be considered "demonstrated" for the purposes of the assessment. The Contractor should provide complete details as to where, when, month and year, and how, through which activities or responsibilities, the stated qualifications and experience were obtained. In situations in which a proposed resource worked at the same time on more than one

project, the duration of any overlapping time period will be counted only once toward any requirements that relate to the individual's length of experience.

3. The qualifications and experience of the proposed resources will be assessed against the requirements set out in Appendix F to Annex A to determine each proposed resource's compliance with the mandatory and rated criteria. Canada may request proof of successful completion of formal training, as well as reference information. Canada may conduct reference checks to verify the accuracy of the information provided. If reference checks are done, they will be conducted in writing by e-mail (unless the contact at the reference is only available by telephone). Canada will not assess any points or consider a mandatory criterion met unless the response is received within 5 working days. On the third working day after sending out the e-mails, if Canada has not received a response, Canada will notify the Contractor by e-mail, to allow the Contractor to contact its reference directly to ensure that it responds to Canada within 5 working days. Wherever information provided by a reference differs from the information supplied by the Contractor, the information supplied by the reference will be the information assessed. Points will not be allocated or a mandatory criteria considered as met if the reference customer is not a customer of the Contractor itself (for example, the customer cannot be the customer of an affiliate of the Contractor). Nor will points be allocated or a mandatory criteria considered as met if the customer is itself an affiliate or other entity that does not deal at arm's length with the Contractor. Crown references will be accepted.
4. During the assessment of the resources proposed, should the references for two or more resources required under that TA either be unavailable or fail to substantiate the required qualifications of the proposed resources to perform the required services, the Contracting Authority may find the quotation to be non-responsive.
5. Only quotations that meet all of the mandatory criteria will be considered for assessment of the point rated criteria. Each resource proposed must attain the required minimum score for the point rated criteria for the applicable Resource Category. If the minimum score for any proposed resource is less than what is required, the Contractor's quotation will be found to be non-responsive.
6. Once the quotation has been accepted by the Technical Authority, the TA Form will be signed by Canada and provided to the Contractor for signature. The TA Form must be appropriately signed by Canada prior to commencement of any work. The Contractor must not commence work until a validly issued TA Form (the Task Authorization) has been received, and any work performed in its absence is done at the Contractor's own risk.

Appendix E – Task Authorization Form

(SEE ATTACHED HERETO)

Appendix F – Resources Assessment Criteria and Response Table

(SEE ATTACHED HERETO)

Appendix G – Certifications at the TA Stage

The following Certifications are to be used, as applicable. If they apply, they must be signed and attached to the Contractor's quotation when it is submitted to Canada.

1. CERTIFICATION OF EDUCATION AND EXPERIENCE

The Contractor certifies that all the information provided in the résumés and supporting material proposed for completing the subject work, particularly the information pertaining to education, achievements, experience and work history, has been verified by the Contractor to be true and accurate. Furthermore, the Contractor warrants that every individual proposed by the Contractor for the requirement is capable of performing the Work described in the Task Authorization.

Print name of authorized individual & sign above

Date

2. CERTIFICATION OF AVAILABILITY OF PERSONNEL

The Contractor certifies that, should it be authorized to provide services under this Task Authorization, the persons proposed in the quotation will be available to commence performance of the work within a reasonable time from the date of issuance of the valid Task Authorization, or within the time specified in the TA Form, and will remain available to perform the work in relation to the fulfillment of the requirement.

Print name of authorized individual & sign above

Date

3. CERTIFICATION OF STATUS OF PERSONNEL

If the Contractor has proposed any individual who is not an employee of the Contractor, the Contractor certifies that it has permission from that individual to propose his or her services in relation to the Work to be performed under this TA and to submit his or her résumé to Canada. At any time during the Contract Period the Contractor must, upon request from the Contracting Authority, provide the written confirmation, signed by the individual, of the permission that was given to the Contractor of his or her availability. Failure to comply with the request may result in a default under the Contract in accordance with the General Conditions.

Print name of authorized individual & sign above

Date

4. CERTIFICATION OF LANGUAGE - ENGLISH

The Contractor certifies that the proposed resource(s) in response to this draft Task Authorization is or are fluent in English. The individual(s) proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Print name of authorized individual & sign above

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat :				
Contractor Name / Nom du Contracteur :				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :	
Reason for the Amendment / Raison pour la modification :	

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

--

Period of Services / Période de service:

Initial Start Date / Date de début initiale :		Initial End Date / Date de fin initiale :	
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :			
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale			

Travel Requirement(s) / Exigence(s) de voyage :	
Work Location(s) / Lieu(x) de travail :	

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
						<div>+ -</div>

B. Estimated Cost / Coût estimatif				
Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div>+ -</div>				
Estimated Cost / Coût estimatif				
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées		Applicable Taxes / Taxes applicables		\$0.00
Total Estimated Cost / Coût total estimatif				\$0.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.		En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.	
The client's authorization limit is \$300,000.00 . When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.		La limite d'autorisation du client est \$300,000.00 . Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.	
Name of Authorized Client / Nom du client autorisé	Date	Name of Contracting Authority / Nom de l'autorité contractante	Date
Signature		Signature	

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur	Signature	Date
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Appendix F to Annex A

Resources Assessment Criteria and Response Tables

To facilitate resource assessment, the Contractor must prepare and submit a response to a draft Task Authorization using the tables provided in this Appendix. When completing the resource grids, the specific information which demonstrates the requested criteria and reference to the page number of the résumé should be incorporated so that the assessor can verify this information. The tables should not contain all the project information from the resume. Only the specific answer should be provided.

1.0 Mandatory Resource Assessment Criteria

The experience required for a Mandatory Resource Requirement must be demonstrated through one or multiple referenced projects and each referenced project must have a minimum duration of three (3) months in order to be accepted.

1.1 Programmer/Software Developer – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage and QualityStage

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage and QualityStage has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage and QualityStage

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Information Server (IIS) – DataStage and QualityStage has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing solutions using IIS DataStage or QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).			

1.2 Programmer/Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>at least ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Master Data Management (MDM) – Java Development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a Java programmer/software developer developing IBM Master Data Management (MDM)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.3 Programmer/Software Developer – Speciality in pME (probabilistic Matching Engine) – Matching algorithm development

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>a minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM pME (probabilistic Matching Engine) – Matching algorithm development has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM Master Data Management (MDM)* based solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.4 Programmer/Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM InfoSphere Identity Insight (ISII) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			
M.2	<p>A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM InfoSphere Identity Insight (ISII)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.5 Programmer/Software Developer – Specialty in IBM Global Name Management (GNM)

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Global Name Management (GNM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a programmer/software developer:</p> <ul style="list-style-type: none"> • Design detailed programs, flow charts, and diagrams indicating mathematical computation and sequence of machine operations necessary to copy and process data and print the results. • Translate detailed flow charts into coded machine instructions and confer with technical personnel in planning programs. • Verify accuracy and completeness of programs by preparing sample data, and testing them by means of system acceptance test runs made by operating personnel. • Correct program errors by revising instructions or altering the sequence of operations. • Perform unit testing, and assemble specifications, flow charts, diagrams, layouts, programming and operating instructions to document applications for later modification or reference. 			

Experience and Expertise of the Proposed Programmer/Software Developer – Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Programmer/Software Developer – Specialty in IBM Global Name Management (GNM) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as a programmer/software developer developing IBM Global Name Manager (GNM) solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).			

1.6 Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>a minimum of three (3) years of experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more.</p> <p>*Or previous versions or instances.</p>			

1.7 Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Infosphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM Infosphere Information Server (IIS) DataStage and QualityStage has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	A minimum of three (3) years of experience, within the last ten (10) years, working as an application/software architect, on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Information Server DataStage or QualityStage large scale (project value of \$6 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).			

1.8 Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **MUST** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as an application/software architect:</p> <ul style="list-style-type: none"> • Develop technical architectures, frameworks and strategies, either for an organization or for a major application area, to meet the business and application requirements. • Identify the policies and requirements that drive out a particular solution. • Analyse and evaluate alternative technology solutions to meet business problems. • Ensures the integration of all or key aspects of technology solutions. • Monitor industry trends to ensure that solutions fit with government and industry directions for technology. • Analyse functional requirements to identify information, procedures and decision flows. • Evaluate existing procedures and methods, identify and document database content, structure, and application sub-systems, and develop data dictionary. • Define and document interfaces of manual to automated operations within application sub-systems, to external systems and between new and existing systems. • Define input and output sources, including detailed plan for technical design phase. • Identify and document system specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions, etc. 			

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder MUST demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.2	<p>A minimum of two (2) years of experience, within the last eight (8) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Identity Insight (ISII)* large scale project (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>			

1.9 Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance

Experience and Expertise of the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance				
Name of proposed Resource: _____				
The Bidder MUST demonstrate that the Proposed Business Systems Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance has:				
Criteria	Mandatory Requirement	Bidder's response		
		INSERT PAGE # OF RESUME	Met	Not Met
M.1	<p>A minimum of ten (10) years of experience, within the last twenty (20) years, performing the following tasks as a business system analyst:</p> <ul style="list-style-type: none"> • Establish Master Data policies and procedures to ensure data meets defined quality targets; • Establish the policies for setting up, maintaining, validating and cleansing party data; • Maintain changes to data process maps, document new processes and support ongoing audit requirement; • Act as subject matter expert and support projects to ensure that processes meet data policies and procedures best practices; • Assist teams in the creation of business rules, entities, party attributes; • Evaluate existing procedures and methods, identify and document items such as database content, structure, application subsystems, and develop data dictionary; • Review and analyse application data model and MDM data model; • Identify and resolve data quality issues 			
M.2	<p>A minimum of three (3) years of experience, within the last eight (8) years, working as a business system analyst responsible for the Data Governance of a large scale MDM solution implementation (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p>			

2.0 Point-Rated Resource Assessment Criteria:

The experience required for a Mandatory Resource Requirement should be demonstrated through one or multiple referenced projects and each referenced project should have a minimum duration of three (3) months in order to be accepted.

2.1 Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	Experience, within the last ten (10) years, working as an programmer/software developer developing solutions using IIS DataStage or QualityStage to prepare, cleanse, and standardize data for Master Data Management (MDM) consumption in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects (project value of \$6 million or greater) with an IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* component that required an integration with one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advance • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)* Advanced <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with an ESB component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.2 Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a Java programmer/software developer developing IBM Master Data Management (MDM)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) – Java Development has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects (project value of \$6 million or greater) with a Master Data Management (MDM)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Enterprise Service Bus (ESB)* • IBM DataStage or QualityStage <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with an MDM component for a government client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.3 Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>Experience, within the last ten (10) years, working as a programmer/software developer configuring the probabilistic and deterministic engines within an IBM Master Data Management (MDM)* solution implementation, in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) – Matching algorithm development has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on a large scale project (project value of \$6 million or greater) with an MDM* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM InfoSphere Information Server DataStage or QualityStage <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.4 Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as a programmer/software developer developing IBM InfoSphere Identity Insight (ISII)* solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Infosphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on large scale projects (project value of \$6 million or greater) with an IBM InfoSphere Identity Insight (ISII)* component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM Integration Service Bus (IIB) – Enterprise Service Bus (ESB)* • IBM Master Data Management(MDM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with a relationship analytical tool for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.5 Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as a programmer/software developer developing IBM Global Name Manager (GNM) solutions, aligned with a Service Oriented Architecture (SOA), in large scale projects (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> 3+ to 4 years = 5 points 4+ to 5 years = 10 points 5+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last ten (10) years, working as a programmer/software developer on a large scale project or initiative (value of \$10 million or greater) with a GNM component with integration of one or more of the following products:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)* Standard or Advanced • IBM InfoSphere Identity Insight (ISII)* • IBM Master Data Management (MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Programmer/Software Developer - Specialty in IBM Global Name Management (GNM) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last ten (10) years, working as a programmer/software developer on projects with a Global Name Management (GNM) component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

2.6 Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM Master Data Management (MDM)* large scale (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2) with 20 million records or more.</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 3+ to 4 years = 5 points • 4+ to 5 years = 10 points • 5+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application/software architect, within the last ten (10) years, performing the integration of IBM MDM* with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM IIS* – DataStage or Quality Stage • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application/software architect, within the last ten (10) years, in the development of security requirements* of an IBM MDM** implementation that required integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of MDM with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM Master Data Management (MDM) Server has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on projects with an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.7 Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last ten (10) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Information Server DataStage or QualityStage large scale (project value of \$6 million or greater) solution implementation at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> 3+ to 4 years = 5 points 4+ to 5 years = 10 points 5+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application/software architect, within the last ten (10) years, performing the integration of IBM DataStage or QualityStage with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Business Process Management (BPM)* Advanced • IBM Master Data Management(MDM)* • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)* <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, as an application/software architect, within the last ten (10) years, in the development of security requirements* of an IBM InfoSphere Information Server DataStage or QualityStage implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM InfoSphere Identity Insight (ISII)** • IBM Master Data Management(MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IIS DS/QS with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>**Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on projects using an ETL product for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.8 Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	<p>In addition to M2, experience within the last eight (8) years, working as an application/software architect on the design, prototyping, components integration and oversight, as part of an IBM InfoSphere Identity Insight (ISII)* large scale project (project value of \$6 million or greater) solution implementation, aligned with a Service Oriented Architecture (SOA), at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 2+ to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, as an application/software architect, within the last eight (8) years, performing the integration of IBM InfoSphere Identity Insight with one or more of the following IBM products:</p> <ul style="list-style-type: none"> • IBM Master Data Management(MDM) • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB) 	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.3	<p>Experience, within the last eight (8) years, as an application/software architect in the development of security requirements* of an IBM InfoSphere Identity Insight (ISII)** implementation that required an integration with one or more of the following COTS:</p> <ul style="list-style-type: none"> • IBM Operational Decision Manager (ODM)** Standard or Advanced • IBM Master Data Management (MDM)** • IBM Integration Bus (IIB) – Enterprise Service Bus (ESB)** • IBM Global Name Manager (GNM) • IBM InfoSphere Information Server DataStage or QualityStage • IBM Business Process Management (BPM)** Advanced <p>*Security requirements include the integration of IBM InfoSphere Identity Insight with other products part of a solution and alignment with security frameworks, security policies, and guidelines.</p> <p>*Or previous versions or instances.</p>	15	<ul style="list-style-type: none"> • 1 to 2 years = 5 points • 2+ to 3 years = 10 points • 3+ years = 15 points 	

Experience and Expertise of the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII)

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Application/Software Architect – Specialty in IBM InfoSphere Identity Insight (ISII) has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.4	<p>Experience, within the last ten (10) years, working as an application/software architect on projects with a relationship analytical tool for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		50		
Minimum points required		30		

2.9 Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance

Experience and Expertise of the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance

Name of proposed Resource: _____

The Bidder **SHOULD** demonstrate that the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.1	In addition to M2, experience, within the last eight (8) years, working as a business system analyst responsible for the Data Governance of a large scale MDM solution implementation (project value of \$6 million or greater) at an enterprise level with multiple stakeholders (greater than 2).	15	<ul style="list-style-type: none"> 3+ to 4 years = 5 points 4+ to 5 years = 10 points 5+ years = 15 points 	

Experience and Expertise of the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance

Name of proposed Resource: _____

The Bidder SHOULD demonstrate that the Proposed Business System Analyst – Specialty in IBM Master Data Management (MDM) - Data Governance has:

			BIDDER'S RESPONSE	
#	RATED CRITERIA	POINTS MAX	DEMONSTRATED EXPERIENCE	INSERT PAGE # OF RESUME
R.2	<p>Experience, within the last eight (8) years, working as a business system analyst responsible for the Data Stewardship and working with an IBM MDM* Data Stewardship interface of a large scale (project value of \$6 million or greater) IBM MDM solution implementation at an enterprise level with multiple stakeholders (greater than 2).</p> <p>*Or previous versions or instances</p>	15	<ul style="list-style-type: none"> • 2 to 3 years = 5 points • 3+ to 4 years = 10 points • 4+ years = 15 points 	
R.3	<p>Experience, within the last ten (10) years, working as a business system analyst on projects that required the integration of an MDM component for a government* client.</p> <p>*Government may include the Federal, Provincial or Municipal Government. The Government of Canada includes any department, agency, board of the Government of Canada or a Crown corporation.</p>	5	<ul style="list-style-type: none"> • 1 to 2 years = 1 points • 2+ to 3 years = 3 points • 3+ years = 5 points 	
Maximum available points		35		
Minimum points required		21		

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Government
of Canada

Gouvernement
du Canada

Contract Number / Numéro du contrat

1000322116 / 47060-152116

Security Classification / Classification de sécurité

SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine		2. Branch or Directorate / Direction générale ou Direction	
CBSA		EAIM/CSP	
3. a) Subcontract Number / Numéro du contrat de sous-traitance		3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail Standing offer for the provision of Task Based informatics Professional Services to the Government of Canada			
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
6. Indicate the type of access required / Indiquer le type d'accès requis			
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		<input type="checkbox"/> No Non <input checked="" type="checkbox"/> Yes Oui	
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé.		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit?		<input checked="" type="checkbox"/> No Non <input type="checkbox"/> Yes Oui	
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès			
Canada <input checked="" type="checkbox"/>		NATO / OTAN <input type="checkbox"/>	
Foreign / Étranger <input type="checkbox"/>			
7. b) Release restrictions / Restrictions relatives à la diffusion			
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>		All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	
Not releasable À ne pas diffuser <input type="checkbox"/>			
Restricted to: / Limité à: <input type="checkbox"/>		Restricted to: / Limité à: <input type="checkbox"/>	
Specify country(ies): / Préciser le(s) pays:		Specify country(ies): / Préciser le(s) pays:	
7. c) Level of information / Niveau d'information			
PROTECTED A PROTÉGÉ A <input checked="" type="checkbox"/>		NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	
PROTECTED B PROTÉGÉ B <input checked="" type="checkbox"/>		NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	
PROTECTED C PROTÉGÉ C <input checked="" type="checkbox"/>		NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>		NATO SECRET NATO SECRET <input type="checkbox"/>	
SECRET SECRET <input checked="" type="checkbox"/>		COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	
TOP SECRET TRÈS SECRET <input type="checkbox"/>			
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>			
		PROTECTED A PROTÉGÉ A <input type="checkbox"/>	
		PROTECTED B PROTÉGÉ B <input type="checkbox"/>	
		PROTECTED C PROTÉGÉ C <input type="checkbox"/>	
		CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	
		SECRET SECRET <input type="checkbox"/>	
		TOP SECRET TRÈS SECRET <input type="checkbox"/>	
		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>	

TBS/SCT 350-103(2004/12)

Security Classification / Classification de sécurité

Canada



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PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No ☐ Yes
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET- SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:

Commentaires spéciaux :

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☒ No ☐ Yes
Non Oui

If Yes, will unscreened personnel be escorted?

Dans l'affirmative, le personnel en question sera-t-il escorté?

☒ No ☐ Yes
Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No ☐ Yes
Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No ☐ Yes
Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No ☐ Yes
Non Oui

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Security Classification / Classification de sécurité

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Government
of Canada

Gouvernement
du Canada

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PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC						
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET	
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION	NATO CONFIDENTIEL			COSMIC TRÈS SECRET	A	B	C	CONFIDENTIEL		TRÈS SECRET
							RESTREINTE										
Information / Assets Renseignements / Biens Production																	
IT Media / Support TI																	
IT Link / Lien électronique																	

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No
Non

☐ Yes
Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée
« Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	Date
Hien Kien Tsang	A/Director	<i>[Signature]</i>	<i>Aug 15 - 2015</i>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	Date
AHMED SALAH	SECURITY SPECIALIST	<i>[Signature]</i>	<i>2016/08/17</i>
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

☒ No ☐ Yes
Non Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel

TBS/SCT 360-103(2004/12)

Security Classification / Classification de sécurité

Canada



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

CONTRACT AMENDMENT MODIFICATION AU CONTRAT

The referenced document is hereby amended: unless
otherwise indicated, all other terms and conditions of
the contract remain the same.
Ce document est par la présente modifié: sauf indication
contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
amendment.

Le fournisseur/entrepreneur accepte la présente
modification/en accuse réception.

MARK COLAHAM 07/10/2017

Signature Date
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith
Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

868346149PG0001
DONNA CONA INC.
106 Colonnade,
Suite 100
Ottawa
Ontario
K2E7L6
Canada

Title - Sujet Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/002/EL	Amendment No. - N° Modif 001
Client Reference No. - N° de référence du client 1000322116	Date 2017-07-11
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 615el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Ghaddab, Nabil	
Buyer Id - Id de l'acheteur 615el	
Telephone No. - N° de téléphone (819) 956-5419 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$0.00	
Revised estimated cost Coût révisé estimatif \$3,145,716.00	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre <i>[Signature]</i>	



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5

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Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

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Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
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Suite 100
Ottawa
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Canada

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File No. - N° de dossier 615el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	GST/HST TPS/TVH
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Ghaddab, Nabil	Buyer Id - Id de l'acheteur 615el
Telephone No. - N° de téléphone (819) 956-5419 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$0.00	
Revised estimated cost Coût révisé estimatif \$3,145,716.00	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre 	

This Contract Amendment is raised to modify the Annex C - Security Requirements Check List (SRCL) form and replace it with a fully signed one by all parties.

1. Modification to the Annex C - Security Requirements Check List (SRCL) form of the Contract, as follows:

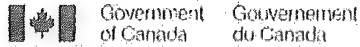
DELETE Annex C - Security Requirements Check List (SRCL) form, in its entirety; and

REPLACE with the following:

(see the next page)

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME

COMMON-PS-SRCL#19



Contract Number / Numéro du contrat 47060-152116/002/EL
Security Classification / Classification de sécurité UNCLASSIFIED

SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE		
1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine CRSA	2. Branch or Directorate / Direction générale ou Direction SPMMD	
3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant	
4. Brief Description of Work / Brève description du travail IT Professional Services		
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
6. Indicate the type of access required / Indiquer le type d'accès requis:		
6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Specify the level of access using the chart in Question 7. c) (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)		
6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
6. c) Is this a commercial courier or delivery requirement with no overnight storage? S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Non Oui		
7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès		
Canada <input checked="" type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
7. b) Release restrictions / Restrictions relatives à la diffusion		
No release restrictions Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies) / Préciser le(s) pays:	Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies) / Préciser le(s) pays:	Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies) / Préciser le(s) pays:
7. c) Level of information / Niveau d'information		
PROTECTED A PROTÉGÉ A <input checked="" type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input checked="" type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input checked="" type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input checked="" type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>	CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>
SECRET SECRET <input checked="" type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>		TOP SECRET TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>

TBS/SCT 360-103/2004/121

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada

COMMON-PS-SRCL#19



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat

Security Classification / Classification de sécurité
UNCLASSIFIED

PART A (continued) / PARTIE A (suite)

3. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

If Yes, indicate the level of sensitivity.

Dans l'affirmative, indiquer le niveau de sensibilité.

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No ☐ Yes
Non Oui

Short title(s) of material / Titre(s) abrégé(s) du matériel:

Document Number / Numéro du document

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITE | <input checked="" type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRES SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRES SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRES SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCES AUX EMPLACEMENTS | | | |

Special comments

Commentaires spéciaux

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE: Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☒ No ☐ Yes
Non Oui

If Yes, will unscreened personnel be escorted?

Dans l'affirmative, le personnel en question sera-t-il escorté?

☒ No ☐ Yes
Non Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No ☐ Yes
Non Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No ☐ Yes
Non Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes
Non Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No ☐ Yes
Non Oui

TBS/SCF 350-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada

COMMON-PS-SRCL#19



Government of Canada
 Gouvernement du Canada

Contract Number / Numéro du contrat
Security Classification / Classification de sécurité UNCLASSIFIED

PART C - (continued) / PARTIE C - (suivie)

For users completing the form manually use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.
 Les utilisateurs qui remplissent le formulaire manuellement doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

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SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			INFO				COMSEC					
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / OTAN DIFFUSION RESTREINTE	NATO CONFIDENTIAL / OTAN CONFIDENTIEL	NATO SECRET	SYSTEMS TOP SECRET / SYSTÈMES TRÈS SECRET	PROTECTED / PROTÉGÉ		CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	
Information Assets / Informations (Data) / Données																
IT Media / Support II																
IT / AX																
IT / Applications																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
 La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?
☒ No / Non ☐ Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
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12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
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TBS/SCT 350-103/200-1/121

Security Classification / Classification de sécurité
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Canada

COMMON-PS-SRCL#19



Government of Canada
Gouvernement du Canada

Contract Number / Numéro du contrat
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PART D - AUTHORIZATION / PARTIE D - AUTORISATION			
13 Organization Project Authority / Chargé de projet de l'organisme			
Name (print) - Nom (en lettres majuscules)	Title - Titre	Signature	
Robert Penwarden	AI Team Lead - SPMM	Robert Penwarden	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
343-291-5669		Robert.Penwarden@psmm.ca	July 6 th , 2017
14 Organization Security Authority / Responsable de la sécurité de l'organisme			
Name (print) - Nom (en lettres majuscules)	Title - Titre	Signature	
Andre Gaudette	HQ Security Manager	Andre Gaudette	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
343-291-7770			JUL 10 2017
15 Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached? Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?			
			<input type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
16 Procurement Officer / Agent d'approvisionnement			
Name (print) - Nom (en lettres majuscules)	Title - Titre	Signature	
NABIL GHADDAB	Contracting Authority	Nabil Ghaddab	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
17 Contracting Security Authority / Autorité contractante en matière de sécurité			
Name (print) - Nom (en lettres majuscules)	Title - Titre	Signature	
		Saumur, Jacques O	
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

Jacques Saumur
Contract Security Officer
Contracts Security Division / Division des contrats sécurité /
Contract Security Program / Programme de sécurité des contrats /
Public Services and Procurement Canada / Services publics et Approvisionnement Canada
Jacques.Saumur@psgc-pwgs.gc.ca
Telephone / Téléphone 613-948-1732
Facsimile / Télécopieur 613-948-1712

TBS/SC 350-103(2004/12)

Security Classification / Classification de sécurité
UNCLASSIFIED

Canada



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada


Purchasing Office - Bureau des achats:
Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
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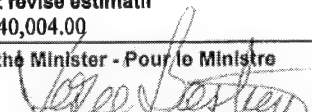

Signature **COLDHAM** Date **Dec 20, 2017**
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith
Prête de retourner une copie dûment signée immédiatement

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Title - Sujet Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/002/EL	Amendment No. - N° Modif 002
Client Reference No. - N° de référence du client 1000322116	Date 2017-12-20
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 639el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Villeneuve, Julie	Buyer Id - Id de l'acheteur 639el
Telephone No. - N° de téléphone (819) 420-5967 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$4,194,288.00	
Revised estimated cost Coût révisé estimatif \$7,340,004.00	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre 	

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/002/EL	002	639el

This Contract Amendment No.002 is raised in order to Exercise Option Period:

1. Amend the Revised Estimated Cost;
2. Amend the Contract Period; and
3. Amend the Contracting Authority.

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$3,145,716.00

INSERT: \$7,340,004.00

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety

INSERT:

6. Contract Period

(a) **Contract Period:** The "Contract Period" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) The "Initial Contract Period", which begins on the date the Contract is awarded and ends February 23, 2019.
- (ii) The period during which the Contract is extended, if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to four additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

3. At Article 7 (a) of the Contract, under Contracting Authority:

DELETE:

Contract No. - N° du contrat
(or Solicitation No. - N° de l'invitation)
47060-152116/002/EL

Amd. No. - N° de la modif.
002

Buyer ID - Id de l'acheteur
639el

Name: Nabil Ghaddab
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Space, Innovation and Informatics Projects Directorate
Address: 11 Laurier Street, Gatineau, Québec
Telephone: 873-469-4984
Email: nabil.ghaddab@tpsgc-pwgsc.gc.ca

INSERT:

Name: Julie Villeneuve
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 11 Laurier Street, Portage III, 4C2,
Gatineau, QC K1A 0S5
Telephone: (819) 420-5967
E-mail address: Julie.villeneuve3@tpsgc-pwgsc.gc.ca

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Purchasing Office - Bureau des achats:

Informatics Professional Services - EL
Division/Services professionnels en informatique -
division EL
4C2, Place du Portage
Gatineau
Québec
K1A 0S5


**CONTRACT AMENDMENT
MODIFICATION AU CONTRAT**

The referenced document is hereby amended: unless
otherwise indicated, all other terms and conditions of
the contract remain the same.

Ce document est par la présente modifié: sauf indication
contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
amendment.

Le fournisseur/entrepreneur accepte la présente
modification/en accuse réception.

 25 January 2019
Signature Date
Name, title of person authorized to sign (type or print)
Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith
Prière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

868346149PG0001
DONNA CONA INC.
106 Colonnade.
Suite 100
Ottawa
Ontario
K2E7L6
Canada

Title - Sujet Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/002/EL	Amendment No. - N° Modif 003
Client Reference No. - N° de référence du client 1000322116	Date 2019-01-24
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 639el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Villeneuve, Julie	
Buyer Id - Id de l'acheteur 639el	
Telephone No. - N° de téléphone (613) 858-9487 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$4,000,000.00	
Revised estimated cost Coût révisé estimatif \$11,340,004.00	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre Villeneuve, Julie 3 Digitally signed by Villeneuve, Julie 3 Date: 2019.01.25 10:01:08 -05'00'	

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/002/EL	003	639el

This Contract Amendment No.003 is raised in order to Exercise Option Period:

1. Amend the Revised Estimated Cost; and
2. Amend the Contract Period.

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$7,340,004.00

INSERT: \$11,340,004.00

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety

INSERT:

6. Contract Period

(a) Contract Period: The "Contract Period" is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) The "Initial Contract Period",** which begins on the date the Contract is awarded and ends February 23, 2020.
- (ii) The period during which the Contract is extended,** if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to three additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.

Contract No. - N° du contrat (or Solicitation No. - N° de l'invitation)	Amd. No. - N° de la modif.	Buyer ID - Id de l'acheteur
47060-152116/002/EL	003	639el

Purchasing Office - Bureau des achats:
 Informatics Professional Services - EL
 Division/Services professionnels en informatique -
 division EL
 4C2, Place du Portage
 Gatineau
 Québec
 K1A 0S5

CONTRACT AMENDMENT
MODIFICATION AU CONTRAT

The referenced document is hereby amended: unless
 otherwise indicated, all other terms and conditions of
 the contract remain the same.
 Ce document est par la présente modifié: sauf indication
 contraire, les modalités du contrat demeurent les mêmes.

The Vendor/Firm hereby accepts/acknowledges this
 amendment.
 Le fournisseur/entrepreneur accepte la présente
 modification/en accusé réception.

Signature

Date

Name, title of person authorized to sign (type or print)

Nom et titre du signataire autorisé (taper ou imprimer)

Return signed copy forthwith

Prrière de retourner une copie dûment signée immédiatement

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

868346149PG0001
 DONNA CONA INC.
 106 Colonnade.
 Suite 100
 Ottawa
 Ontario
 K2E7L6
 Canada

Title - Sujet Resource & Solution Based	
Contract No. - N° du contrat 47060-152116/002/EL	Amendment No. - N° Modif 004
Client Reference No. - N° de référence du client 1000322116	Date 2019-12-20
Requisition Reference No. - N° de la demande 47060-152116	
File No. - N° de dossier 641el.47060-152116	CCC No./N° CCC - FMS No./N° VME
Financial Codes Code(s) financier(s)	
GST/HST TPS/TVH	
F.O.B. - F.A.B. Destination	
GST/HST - TPS/TVH Included - Inclus	Duty - Droits See Herein - Voir ci-inclus
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CANADA BORDER SERVICES AGENCY (CBSA) 330 North River Road, Ontario, K1A 0L8	
Invoices - Original and two copies to be sent to: Factures - Envoyer l'original et deux copies à: Canada Border Service Agency Agence des services frontaliers du Canada vendors-fournisseurs@cbsa-asfc.gc.ca (Preferred) (National Invoice Reception Unit) 105 Rue McGill #250-01 Montreal Quebec H2Y 2E7	
Address Enquiries to: - Adresser toutes questions à: Michaud, Daniel	Buyer Id - Id de l'acheteur 641el
Telephone No. - N° de téléphone (613) 858-8483 ()	FAX No. - N° de FAX () -
Increase (Decrease) - Augmentation (Diminution) \$4,194,288.00	
Revised estimated cost Coût révisé estimatif \$15,534,292.00	Currency Type - Genre de devise CAD
For the Minister - Pour le Ministre Bastien, Josee <div> <small> Digitally signed by Bastien, Josee DN: cn = Bastien, Josee, c = CA, o = /s/ ou = PW350-TP500 Date: 2019.12.20 11:23:20 -0500 </small> </div>	

Contract No. - N° du contrat
47060-152116/002/EL

Amd. No. - N° de la modif.
004

Buyer ID - Id de l'acheteur
641el

This Contract Amendment No.004 is raised in order to Exercise Option Period and change the Contracting Authority:

1. Amend the Revised Estimated Cost;
2. Amend the Contract Period; and
3. Amend the Contracting Authority.

1. On the first page of the contract, under Revised Estimated Cost:

DELETE: \$11,340,004.00

INSERT: \$15,534,292.00

2. At Article 6, under Contract Period:

DELETE: Article 6 in its entirety

INSERT:

6. Contract Period

(a) Contract Period: The “**Contract Period**” is the entire period of time during which the Contractor is obliged to perform the Work, which includes:

- (i) The “Initial Contract Period”,** which begins on the date the Contract is awarded and ends February 23, 2021.
- (ii)** The period during which the Contract is extended, if Canada chooses to exercise any option set out in the Contract.

(b) Option to Extend the Contract:

(i) The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to two (2) additional one-year periods under the same terms and conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions set out in the Basis of Payment.

(ii) Canada may exercise this option at any time by sending a written notice to the Contractor before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced, for administrative purposes only, through a contract amendment.

Contract No. - N° du contrat
47060-152116/002/EL

Amd. No. - N° de la modif.
004

Buyer ID - Id de l'acheteur
641el

3. At Article 7 (a) of the Contract, under Contracting Authority:

DELETE:

Name: Julie Villeneuve
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 11 Laurier Street, Portage III, 4C2,
Gatineau, QC K1A 0S5
Telephone: (819) 420-5967
E-mail address: Julie.villeneuve3@tpsgc-pwgsc.gc.ca

INSERT:

Name: Daniel Michaud
Supply Specialist
STAMS / ITSPD / EL Division
Public Works and Government Services Canada
Address: 10 wellington, Gatineau, QC K1A 0S5
Telephone: (613) 858-8483
E-mail address: daniel.michaud@tpsgc-pwgsc.gc.ca

ALL OTHER TERMS AND CONDITIONS OF THE CONTRACT REMAIN THE SAME.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/001/EL		
Contractor Name / Nom du Contracteur :		IBM		
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2019003062	1000335563	191160010	June 1, 2019	June 28, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification :	1
Reason for the Amendment / Raison pour la modification :	
Time extension	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
Please see the attached SOW for details pertaining to the work being completed under this task authorization.				

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	April 6, 2017
Initial End Date / Date de fin initiale :	May 31, 2019
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :	June 28, 2019
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Travel Requirement(s) / Exigence(s) de voyage :	N/A
Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur	
Note: once approved, only the following resources may provide services under this TA. / Nota: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.	



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Application/Software Architect - specialty in Integration Bus (IIB) - Enterprise Service Bus (ESB) -	3			\$96,250.00
Estimated Cost / Coût estimatif				\$96,250.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$12,512.50
Total Estimated Cost / Coût total estimatif				\$108,762.50


PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$1,200,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$1,200,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.


Name of Authorized Client / Nom du client autorisé Date 05/22/2019

Name of Contracting Authority / Nom de l'autorité contractante Date

Signature

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complétée par le Responsable technique / Chef de projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2017002393

Commitment No. / N° de
l'engagement :

1000335203

Financial Coding / Code
financier :

1911-200-20

Date of Issuance / Date
d'émission :

May 31, 2017

Response required by /
Réponse requise par :

May 31, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

Amendment #1 - The CBSA Project Authority has determined that the resources under TA #2017002393 are no longer required for the project. Please note that this is in no way to be perceived as a negative reflection of the services/deliverables work that have been provided to date by the resource.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Mar 20, 2017

Initial End Date / Date de fin initiale :

May 31, 2017

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Travel not required

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor or the Technical/Project Authority) / **PARTIE 2** (complétée par le Contracteur ou le Responsable technique / Chef de projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95040936
	Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95149716

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux Journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3			\$118,675.00
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3			\$160,650.00
Estimated Cost / Coût estimatif				\$279,325.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$36,312.25
Total Estimated Cost / Coût total estimatif				\$315,637.25

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden June 8th, 2017
Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
Signature

NABIL SHADANAB June 08, 2017
Name of Contracting Authority / Nom de l'autorité contractante Date
Nabil Shadanab
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2017002393

Commitment No. / N° de
l'engagement :

1000335203

Financial Coding / Code
financier :

1911-200-20

Date of Issuance / Date
d'émission :

Jul 31, 2017

Response required by /
Réponse requise par :

Jul 31, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Amendment #2 - This amendment was created to extend the end date of TA #2017002393 to January 31st, 2018 with no increase in dollar value.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret	+
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret	-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Mar 20, 2017

Initial End Date / Date de fin initiale :

Jan 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Travel not required

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95040936	+
	Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95149716	-

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3			\$72,048.35
- Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3			\$160,650.00
Estimated Cost / Coût estimatif				\$232,698.35
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$30,250.79
Total Estimated Cost / Coût total estimatif				\$262,949.14

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden July 31/17
 Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
 Signature

 Name of Contracting Authority / Nom de l'autorité contractante Date

 Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

CARLOS SANTOS AUTHORIZED SIGNATORY July 28, 2017
 Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/001/EL				
Contractor Name / Nom du Contracteur : IBM				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2017002393	1000335203	1911-200-20	Aug 18, 2017	Aug 18, 2017

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 3	
Reason for the Amendment / Raison pour la modification :	
Amendment #3 - The CBSA Project Authority has determined that the Programmer/Software Developer -Speciality in IBM ODM (Raffaele Cocucci) under TA #2017002393 is required for an additional	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
Please see the attached SOW for details pertaining to the work being completed under this task authorization.				
Period of Services / Période de service:				
Initial Start Date / Date de début initiale :		Initial End Date / Date de fin initiale :		
Mar 20, 2017		Jan 29, 2018		
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :				
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale				
Travel Requirement(s) / Exigence(s) de voyage :		Travel not required		
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa, ON (National Capital Region)		

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur	
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.	



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95040936	<input type="checkbox"/> + <input type="checkbox"/> -
	Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95149716	

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div><div>Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)</div></div>	3			\$72,048.35
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3			\$390,915.00
Estimated Cost / Coût estimatif				\$462,963.35
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$60,185.24
Total Estimated Cost / Coût total estimatif				\$523,148.59

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden Aug 18/17
Name of Authorized Client / Nom du client autorisé Date:
Robert Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Hicham Laassouli for N. Ghaddab 18 August 2017
Name of Contracting Authority / Nom de l'autorité contractante Date:
laassouli, hicham Digital Signature of Hicham Laassouli
DN: cn=Hicham Laassouli, ou=PWGSC-TPSGC, cn=laassouli, hicham
Date: 2017.08.18 10:47:38 -0400
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Carlos Santos, Authorized Signatory August 28, 2017
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date:
Carlos Santos



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2017002393	1000335203	1911-200-20	Mar 14, 2017	Mar 16, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Mar 20, 2017 Initial End Date / Date de fin initiale : Jul 31, 2017

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage : Travel not required

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, ON (National Capital Region)

PART 2 / **PARTIE 2**

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95040936
	Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3	English / Anglais	Secret	95149716

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux Journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Application/Software Architect - Specialty in IBM Operational Decision Manager (ODM)	3			\$118,675.00
Programmer/Software Developer - Specialty in IBM Operational Decision Manager (ODM)	3			\$160,650.00
Estimated Cost / Coût estimatif				\$279,325.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$36,312.25
Total Estimated Cost / Coût total estimatif				\$315,637.25

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden
Name of Authorized Client / Nom du client autorisé

March 14/17
Date

MARIL GUDDAB
Name of Contracting Authority / Nom de l'autorité contractante

14 March 2017
Date

Robert Penwarden
Signature

MARIL GUDDAB
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

CARLOS SANTOS, AUTHORIZED SIGNATORY
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

MAR-16-2017
Date

Application/Software Architect

Title

Application/Software Architect (Level 3) and Programmer/Software Developer (Level 3) – Operations Decision Manager (ODM) for the Entry Exit Project.

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

In order to advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Travellers Project Portfolio Directorate (TPPD) has undertaken the Entry/Exit Entry/Exit is responsible for the development of a key Government of Canada commitment under the Canada US Border Action plan, to create a Canadian entry and exit information system which will, ultimately, provide a valuable new source of information with potential benefits for security, law enforcement and program. Key deliverables of the Entry/Exit (E/E) Project rely on the ability to calculate the duration of time inside of Canada or outside to Canada as well as to determine when a traveller has overstayed their authorized period of stay. The delivery of the Entry/Exit and IAPI projects is dependent on the components found in the SOA.

Entry/Exit I will leverage ODM to deliver the following:

1. Calculating duration of complete Entry to Exit Events.
2. Calculating duration of complete Exit to Entry Events
3. Calculating duration of open Exit Events.
4. Calculating duration of open Entry Events.
5. Creation of an indicator that a traveller may have overstayed their authorized period of stay.

Objective

To acquire professional services for one Application/Software Architect (Level 3) and one Programmer/Software Developer (Level 3) to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables; first in draft format, to be followed by a final product incorporating the Entry Exit project manager (or their delegate's) feedback). It is the Contractor's responsibility to

CBSA Travellers Identity Resolution and Reconciliation

identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Task #	Task
Analysis	
1.	Define automated decision making using ODM Standard (IBM COTS) including rule harvesting and development, rule flow development, rule application testing and deployment
2.	Define automated triggering of business processes and notifications based on event pattern matching using ODM Advanced including event pattern design and development, event application testing and deployment
3.	Perform performance optimization and troubleshooting
4.	Provide best practices and development guidelines
5.	Responsible for the establishment, maintenance and execution of rules management policies and workflow management, proactively maintain the integrity and accuracy of CBSA rules management system
6.	Meet with stakeholders in the traveller's program portfolio and the CBSA operations to gather and document the business requirements for effective rules development
7.	Establish rules and execution to ensure the results meets defined targets
8.	Plan, analyse and document results from unit, component and other related test plans for business rule applications
9.	Design and Develop: <ul style="list-style-type: none"> • Business Object Models (BOM); and • eXecution Object Models (XOM)
10.	Identify and resolve rules processing issues and document
11.	Develop developer training material
Development	
12.	Develop deployable business rule applications (including BOMs and XOMs as required) developed to CBSA standards using CBSA development infrastructure and processes
13.	Create Preliminary BOM design
14.	Complete BOM design
15.	Author rules in ODM
16.	Document Best Practice guidelines for troubleshooting BOM (as part of rules harvesting document)
17.	Complete the rules harvesting document with an executable validation model
18.	Complete the rules framework for the Travellers portfolio
19.	Author business rules in ODM as required
20.	Develop First draft of Business Rules in ODM
21.	Create a catalog of all the rules in ODM for the Traveller's portfolio
22.	Identify and document the data source(s) for the rules to be processed; delivered via final summary identifying any gaps at that time
Testing	
23.	Define and document Preliminary Test plans for the rules within ODM

CBSA Travellers Identity Resolution and Reconciliation

24.	Define and document Final Test plans within ODM
25.	Conduct tests
26.	Document Test Results
27.	Review, comment and develop recommendations according to best practices on the ODM-related System Use Cases and system requirements

Deliverables Schedule

The following suggested delivery schedule should be considered by the Contractor in the development of their project plan (including the assignment of the resources and their respective level of effort). CBSA is willing to accept revisions to this schedule if justified by the Contractor.

Deliverable #	Deliverable	Working Days from Contract Award
1.	Preliminary BOM design	20 days from contract award
2.	Complete BOM design and created	40 days from contract award
3.	Rules authored in ODM	40 days from contract award
4.	Rules Harvesting ¹ document, including: a. an executable validation model b. Best practice guidelines for troubleshooting BOM	40 days from contract award
5.	Rules Framework ² for the Travellers portfolio	40 days from contract award
6.	Authored business rules in ODM	As required
7.	First draft of Business Rules in ODM	15 days from contract award
8.	Catalog of all the rules in ODM for the Traveller's portfolio	20 days from contract award
9.	Document containing the data source(s) for the rules to be processed; delivered via final summary, identifying any gaps at that time	20 days from contract award
10.	Preliminary test plans for the rules within ODM	20 days from contract award
11.	Final Test plans within ODM by	60 days from contract award
12.	Testing Results document	80 days contract award
13.	Recommendations document (with respect to the ODM-related System Use Cases and system requirements)	20 days from contract award

¹ Harvesting is the activity of gathering business rules, which includes rule discovery and analysis.

² A Rules Framework is an event-controlled runtime environment in which the system processes certain rules. You can assign any number of rules to each event, whereby a rule normally consists of a Boolean expression and an action.

CBSA Travellers Identity Resolution and Reconciliation

Technical Environment

As defined in Section 12 of the contract number 47060-152116/001/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day. The hours that the Contractor will work will be specified in the TA and are expected to be 7.5 hours daily, within the core hours. All proposed personnel must be available to work outside normal office hours during the duration of the Contract. The Technical/Project Authority will advise the Contractor as soon as possible of any required work outside standard working hours.

Language

The proposed Resources will be required to perform the work in English. Every individual proposed in its Task Authorization will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

The resources must be able to perform the work and provide any deliverables in English.

Reporting Requirements

The contractor(s) are expected to submit weekly accomplishments submitted with timesheets by end of day Friday for each week to the Entry Exit project manager electronically via email. Outlining what work was undertaken during the reporting period, what work is still outstanding and any issues, risks or concerns that may affect the contractor's ability to meet the deliverables or their listed due dates.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region.

There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and email address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

CBSA Travellers Identity Resolution and Reconciliation



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 Completed by the Technical / Project Authority / **PARTIE 1** (complété par le Responsable technique / Chef de projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

Commitment No. / N° de
l'engagement :

Financial Coding / Code
financier :

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

2017002530

1000335563

1913-300-00

January 24, 2018

January 25, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Project delays have occurred and on going deliverables required by the client will be needed at a later date than originally anticipated in the initial Task Authorization.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

April 6, 2017

Initial End Date / Date de fin initiale :

Jan 29, 2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Travel not required.

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, ON (National Capital Region)

PART 2 Completed by the Contractor and/or the Technical Project Authority / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chef de projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390	+ -

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Application/Software Architect - specialty in Integration Bus (IIB) - Enterprise Service Bus (ESB)	3			\$644,225.00
Estimated Cost / Coût estimatif				\$644,225.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$83,749.25
Total Estimated Cost / Coût total estimatif				\$727,974.25

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden Jan 24/18
Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
Signature

A. DURIGAN Jan 25/18
Name of Contracting Authority / Nom de l'autorité contractante Date
CA
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Carlos Santos, Authorized Signatory
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Carlos Santos January 30, 2018
Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL				
Contractor Name / Nom du Contracteur : IBM				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) : 2017002530	Commitment No. / N° de l'engagement : 1000335563	Financial Coding / Code financier :	Date of Issuance / Date d'émission : January 24, 2018	Response required by / Réponse requise par : January 25, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 3
Reason for the Amendment / Raison pour la modification : Add days. No additional work. Adding funding to existing TA. Financial Info 1950-500-20, C-00053-20, 10100, 2001

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : April 6, 2017	Initial End Date / Date de fin initiale : Jan 29, 2019
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	

Travel Requirement(s) / Exigence(s) de voyage : N/A
Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complète par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Application/Software Architect - specialty in Integration Bus (IIB) - Enterprise Service Bus (ESB)	3			\$735,475.00
Estimated Cost / Coût estimatif				\$735,475.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$95,611.75
Total Estimated Cost / Coût total estimatif				\$831,086.75

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$1,200,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$1,200,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Perwarden 2015-12-04
Name of Authorized Client / Nom du client autorisé Date

Name of Contracting Authority / Nom de
l'autorité contractante

Date

Robert Perwarden
Signature

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat :	47060-152116/001/EL			
Contractor Name / Nom du Contracteur :	IBM			
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2017002530	1000335563	1913-300-00	April 5, 2017	April 6, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :	
Reason for the Amendment / Raison pour la modification :	

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Apr 6, 2017 Initial End Date / Date de fin initiale : October 31, 2017

☒ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
October 31, 2018	<input type="radio"/> In effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage : Travel not required

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor or by the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur ou le Responsable technique / chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - Specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390	<div style="border: 1px solid black; padding: 2px; text-align: center;">+</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Application/Software Architect - Specialty in Integration Bus (IIB) – Enterprise Service Bus (ESB)	3			\$292,000.00
Estimated Cost / Coût estimatif				\$292,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$37,960.00
Total Estimated Cost / Coût total estimatif				\$329,960.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden April 15th, 2017
Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Nancy Gammie April 15, 2017
Name of Contracting Authority / Nom de l'autorité contractante Date
Nancy Gammie
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Wayne Liepmann, Authorized Seller
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Wayne Liepmann April 5, 2017
Signature Date



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART I - PARTIE I

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000107

Commitment No. / N° de
l'engagement :

1000336054

Financial Coding / Code
financier :

192040060/6001/16100

Date of Issuance / Date
d'émission :

Apr 24, 2017

Response required by /
Réponse requise par :

Apr 26, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3		English / Anglais	SECRET

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background:

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border Initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects. To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services. In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective:

To acquire professional services for one Application/Software Architect Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables:

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks:



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

- Provide CBSA with technical expertise and guidance on the following topics:
- Walk through and document IA best practices to profile data within 2 weeks after setup is complete
 - Apply IA best practices to CBSA context within 2 weeks of start date
 - Provide configuration for IA core functions. These functions should be specific to CBSA dataset within 2 weeks of start date
 - Provide IA security configuration: users, roles, access within 2 weeks after setup is complete
 - Create proper IA classes and rules using IA desktop client within 3 weeks after setup is complete
 - Provide guidelines, standards and best practices for the use of an IA web client to create additional rules within 2 weeks after setup is complete
 - Review and comment on the CBSA IIS server installation topology within 3 weeks of start date;
 - Provide guidelines, standards and best practices for the installation and configuration of Information server products for CBSA including WebSphere Information Services Director of Information Server;
 - Review and comment on DataStage and QualityStage project version control practices;
 - Provide guidelines, standards and best practices for the installation and configuration of InfoSphere and its integration of IIS components;
 - Review and comment on the IIS security frameworks and integration with CBSA security policy and identity stores;
 - Review and comment on performance tuning, load balancing and optimization strategies for IBM InfoSphere in the context of the MDM Server environment.
 - Review and comment on the MDM infrastructure design supporting the IT Engineering task due on September 30th 2017;
 - Review and comment on the MDM Server components hardware sizing;
 - Develop industry best practices in performance tuning, load balancing and optimization; strategies for IBM InfoSphere MDM Server environment;
 - Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
 - Develop best practices for IBM MDM implementation;
 - Review and comment on MDM and other CBSA Data sources data mapping;
 - Review and comment on MDM data mapping and MDM business functional requirement;
 - Review and comment on CBSA non-functional requirements;
 - Provide adhoc assistance and guidance to the MDM development team;
 - Prepare test cases and provide input to test plans to validate final designs in collaboration with the CBSA test coordinator(s);
 - Provide guidance to the project manager for HR planning;
 - Configure MDM security frameworks and integration with CBSA security policy and identity stores;
 - Review and comment on MDM performance tuning; and
 - Provide guidelines, standards and best practices for the integration with ESB-IIB, IIS and ISII.

Deliverables:

The Contractor shall provide the following:

- Contractor will deliver the summary document reflecting the IA best practices in CBSA context, installation topology and security setup recommendation within 4 weeks of start date;
- Produce Data Stewardship UI Specs by end of April, 2017;
- Produce MDM-UPASS BR by end of April, 2017;
- Design MDM environment integrated with IIS server in CBSA data center by end of May, 2017;
- Finish Integrated Prototype by end of May, 2017;
- Provide installation scripts to install MDM Server on different environments by end of May, 2017;
- Produce step by step installation documentation with screenshots by end of June, 2017;
- Produce and/or update MDM, and DPLS ICDs by end of June, 2017;
- Produce MDM-UPASS SR, PDR by end of August, 2017;
- Provide documentation outlining Availability, fail-over and recoverability strategies by end of September, 2017;
- Provide GEC data analysis completed by end of October, 2017;
- Review and update MDM components detailed design document. Architecture Design Specification (ADS) parts 3 & 4 documents for CDR by end of October, 2017;
- Update CDR documentation by end of October, 2017; and
- Update Data Stewardship UI Specs by end of November, 2017.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio, and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five(5) business days of receipt of the deliverable.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Technical Environment:

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints:

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Reporting Requirements:

The resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Client Support:

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale:

Apr 27, 2017

Initial End Date / Date de fin initiale:

Jan 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage:

No

Work Location(s) / Lieu(x) de travail:

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region.

PART 2 completed by the Contractor and/or the Technical Project Authority / PARTIE 2 complétée par le Contracteur et/ou le Responsable technique / Charge du projet

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais	SECRET	95841252

B. Estimated Cost / Coût estimatif



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie		Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div></div>	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3			\$337,500.00
Estimated Cost / Coût estimatif					\$337,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxe % applied / % de taxes appliquées		13.000	Applicable Taxes / Taxes applicables		\$43,875.00
Total Estimated Cost / Coût total estimatif					\$381,375.00

PART 2 - APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Matthew Woods

April 28, 2017

Name of Authorized Client / Nom du client autorisé

Date

NABIL CHADDAB

April 27, 2017

Name of Contracting Authority / Nom de l'autorité contractante

Date

M. Woods

Signature

Nabil Chaddab

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK GOLDMAN ACCOUNT EXECUTIVE

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Mark Goldman

Signature

APRIL 24 / 2017

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (completé par le responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

Commitment No. / N° de
l'engagement :

Financial Coding / Code
financier :

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

2018000107

1000336054

192040060/6001/16100

Dec 20, 2017

Dec 27, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

The MDM project delivery timelines have changed and new requirements have been presented which requires additional MDM architecture work to be completed.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Architect Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

Provide CBSA with technical expertise and guidance on the following topics:

- Walk through and document IA best practices to profile data within 2 weeks after setup is complete
- Apply IA best practices to CBSA context within 2 weeks of start date
- Provide configuration for IA core functions. These functions should be specific to CBSA dataset within 2 weeks of start date
- Provide IA security configuration: users, roles, access within 2 weeks after setup is complete
- Create proper IA classes and rules using IA desktop client within 3 weeks after setup is complete
- Provide guidelines, standards and best practices for the use of an IA web client to create additional rules within 2 weeks after setup is complete
- Review and comment on the CBSA IIS server installation topology within 3 weeks of start date;
- Provide guidelines, standards and best practices for the installation and configuration of information server products for CBSA including WebSphere Information Services Director of Information Server;
- Review and comment on DataStage and QualityStage project version control practices;
- Provide guidelines, standards and best practices for the installation and configuration of InfoSphere and its integration of IIS components;
- Review and comment on the IIS security frameworks and integration with CBSA security policy and identity stores;
- Review and comment on performance tuning, load balancing and optimization strategies for IBM InfoSphere in the context of the MDM Server environment.
- Review and comment on the MDM infrastructure design supporting the IT Engineering
- Review and comment on the MDM Server components hardware sizing;
- Develop industry best practices in performance tuning, load balancing and optimization; strategies for IBM InfoSphere MDM Server environment;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop best practices for IBM MDM implementation;
- Review and comment on MDM and other CBSA Data sources data mapping;
- Review and comment on MDM data mapping and MDM business functional requirement;
- Review and comment on CBSA non-functional requirements;
- Provide adhoc assistance and guidance to the MDM development team;
- Prepare test cases and provide input to test plans to validate final designs in collaboration with the CBSA test coordinator(s);
- Provide guidance to the project manager for HR planning;
- Configure MDM security frameworks and integration with CBSA security policy and identity stores;
- Review and comment on MDM performance tuning; and
- Provide guidelines, standards and best practices for the integration with ESB-IIB, IIS and ISIL.
- Provide the MDM solution architecture;
- Provide the MDM ever greening Architecture Solution;

Deliverables

The Contractor shall provide the following:

- Contractor will deliver the summary document reflecting the IA best practices in CBSA context, installation topology and security setup recommendation within 4 weeks of start date;
- Produce an updated Data Stewardship UI Specs by end of February, 2018;
- Provide installation scripts to install MDM Server on different environments by end of May, 2018;
- Produce and/or update MDM, and DPLS ICDs by end of February, 2018;
- Provide updated documentation outlining Availability, fail-over and recoverability strategies by end of May, 2018;
- Review and update MDM components detailed design document. Architecture Design Specification (ADS) parts 3 & 4 documents for CDR by February 15, 2018;
- Update CDR documentation by February 15, 2018; and
- Provide ever greening and initial load architecture and design documents by end of May 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five(5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Apr 27, 2017

Initial End Date / Date de fin initiale :

Jan 31, 2018

☒ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
Sep 30, 2018	<input checked="" type="radio"/> In effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage :

No

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A0L8 or an alternative CBSA location in the National Capital Region.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Charge du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais	Secret	95841252
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B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Application/Software Architect - Specialty in Master Data Management (MDM) Server	3			\$337,500.00
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3			\$225,000.00
Estimated Cost / Coût estimatif				\$562,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$73,125.00
Total Estimated Cost / Coût total estimatif				\$635,625.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Poiraudon Jan 4/18
Name of Authorized Client / Nom du client autorisé Date

Robert Poiraudon
Signature

Name of Contracting Authority / Nom de l'autorité contractante Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COWHAM ACCOUNT EXECUTIVE
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature] Dec. 21, 2017
Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000107	1000336054	192040060/6001/16100	Jun 28, 2018	Jun 28, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

The MDM project delivery timelines have changed and new requirements have been presented which requires additional MDM architecture work to be completed.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Architect Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

Provide CBSA with technical expertise and guidance on the following topics:

- Walk through and document IA best practices to profile data within 2 weeks after setup is complete
- Apply IA best practices to CBSA context within 2 weeks of start date
- Provide configuration for IA core functions. These functions should be specific to CBSA dataset within 2 weeks of start date
- Provide IA security configuration: users, roles, access within 2 weeks after setup is complete
- Create proper IA classes and rules using IA desktop client within 3 weeks after setup is complete
- Provide guidelines, standards and best practices for the use of an IA web client to create additional rules within 2 weeks after setup is complete
- Review and comment on the CBSA IIS server installation topology within 3 weeks of start date;
- Provide guidelines, standards and best practices for the installation and configuration of information server products for CBSA including WebSphere Information Services Director of Information Server;
- Review and comment on DataStage and QualityStage project version control practices;
- Provide guidelines, standards and best practices for the installation and configuration of InfoSphere and its integration of IIS components;
- Review and comment on the IIS security frameworks and integration with CBSA security policy and identity stores;
- Review and comment on performance tuning, load balancing and optimization strategies for IBM InfoSphere in the context of the MDM Server environment.
- Review and comment on the MDM infrastructure design supporting the IT Engineering
- Review and comment on the MDM Server components hardware sizing;
- Develop industry best practices in performance tuning, load balancing and optimization; strategies for IBM InfoSphere MDM Server environment;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop best practices for IBM MDM implementation;
- Review and comment on MDM and other CBSA Data sources data mapping;
- Review and comment on MDM data mapping and MDM business functional requirement;
- Review and comment on CBSA non-functional requirements;
- Provide adhoc assistance and guidance to the MDM development team;
- Prepare test cases and provide input to test plans to validate final designs in collaboration with the CBSA test coordinator(s);
- Provide guidance to the project manager for HR planning;
- Configure MDM security frameworks and integration with CBSA security policy and identity stores;
- Review and comment on MDM performance tuning; and
- Provide guidelines, standards and best practices for the integration with ESB-IIB, IIS and ISII.
- Provide the MDM solution architecture;
- Provide the MDM ever greening Architecture Solution;

Deliverables

The Contractor shall provide the following:

- Contractor will deliver the summary document reflecting the IA best practices in CBSA context, installation topology and security setup recommendation within 4 weeks of start date;
- Produce an updated Data Stewardship UI Specs by end of February, 2018;
- Provide installation scripts to install MDM Server on different environments by end of May, 2018;
- Produce and/or update MDM, and DPLS ICDs by end of February, 2018;
- Provide updated documentation outlining Availability, fail-over and recoverability strategies by end of May, 2018;
- Review and update MDM components detailed design document. Architecture Design Specification (ADS) parts 3 & 4 documents for CDR by February 15, 2018;
- Update CDR documentation by February 15, 2018; and
- Provide ever greening and initial load architecture and design documents by end of May 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five(5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Apr 27, 2017

Initial End Date / Date de fin initiale :

Jan 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Nov 30, 2018

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A0L8 or an alternative CBSA location in the National Capital Region.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais	Secret	95841252	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div>Application/Software Architect - Specialty in Master Data Management (MDM) Server</div></div>	3			\$630,000.00
Estimated Cost / Coût estimatif				\$630,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$81,900.00
Total Estimated Cost / Coût total estimatif				\$711,900.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Perwarden 2018-06-26
Name of Authorized Client / Nom du client autorisé Date
Robert Perwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Villeneuve, Julie 3 2018.06.27 08:38:31 -04'00'
Name of Contracting Authority / Nom de l'autorité contractante Date
Digitally signed by Villeneuve, Julie 3

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Mark Coldham
Signature

6/27/2018
Date



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : DONNA CONA INC.				
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2018000107	1000336054	1920400060/6001/10400	Jan 20, 2020	29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **5**

Reason for the Amendment / Raison pour la modification :

Amendment #5 is raised for the following:

- 1) Extend end date from February 23, 2020 to February 23, 2021;
- 2) Add _____ days total estimated level of effort;
- 3) Increase total cost from \$1,254,125.00 to \$1,728,125.00 (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)			
Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM MasterData Management (MDM) - Java development Level 3		English / Anglais	
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)			
See attached / Voir pièce jointe			

Period of Services / Période de service:


Initial Start Date / Date de début initiale :	Nov 1, 2018	Initial End Date / Date de fin initiale :	23-Feb-2021
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):			
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale.			
Optional End Date(s) / Date(s) de fin optionnelle(s)		Status / Statut	
X		<input type="radio"/> In Effect / en vigueur	
Travel Requirement(s) / Exigence(s) de voyage: n/a			

Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region
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PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif					
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT					
Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development		English/Anglais			\$1,728,125.00
Estimated Cost / Coût estimatif					\$1,728,125.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$224,656.25
Total Estimated Cost / Coût total estimatif					\$1,952,781.25
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Technical Authority / Nom de l'autorité techni Date</p> <p></p> <p>Signature</p>	<p>Name of Contracting Authority / Nom de l'autorité contractante Date</p> <p>CASTONGUA Y KARIEANNE</p> <p>Digitally signed by CASTONGUAY KARIAEANNE DN: C=ca, O=gc, OU=ccra-adrc, OU=PERSONNEL, SERIALNUMBER=2019058112701000 + CN=CASTONGUAY KARIAEANNE Reason: I am the author of this document Location: Date: 2020-01-23 09:21:22 Foxit PhantomPDF Version: 9.4.1</p> <p>Signature</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<p></p> <p>Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur</p>	<p></p> <p>Signature</p>	<p></p> <p>Date</p>
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Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : DONNA CONA INC.				
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2018000107	1000336054	1920400060/6001/10400	May 8th, 2020	May 11th, 2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **6**

Reason for the Amendment / Raison pour la modification :

Amendment #6 is raised for the following:

1) Exchange resource to continue with an ongoing project from [REDACTED]

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM MasterData Management (MDM) - Java development Level 3	[REDACTED]	English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached / Voir pièce jointe

Period of Services / Période de service:

Initial Start Date / Date de début initiale : **Nov. 1st, 2018** Initial End Date / Date de fin initiale : **Feb. 23rd, 2021**

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage: n/a

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)**Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif**


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development		English/Anglais			
Estimated Cost / Coût estimatif					
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			
Total Estimated Cost / Coût total estimatif					
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.	En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.
The client's authorization limit is \$300,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.	La limite d'autorisation du client est 300,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation
DAROUZE TONI Digitally signed by DAROUZE TONI Date: 2020.09.03 12:00:56 -04'00'	
Name of Technical Authority / Nom de l'autorité techni Date	Name of Contracting Authority / Nom de l'autorité contractante Date
Signature	Signature
ALEXANDER STEPHEN Digitally signed by ALEXANDER STEPHEN Date: 2020.09.16 11:09:15 -04'00'	

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham	Account Executive	DocuSigned by: 	2020-09-03
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		Signature	Date



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000108	1000336054	192040060/6001/16100		

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

The purpose of this amendment is to extend the TA end date in time only as project time-lines were pushed.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret	<div><div></div><div></div><div></div></div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Tasks

The resource will provide CBSA with technical expertise and guidance on the following topics:



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
- Review of MDM detail design document in order to confirm or identify implementation approach;
- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM initial load and incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT tuning rules in accordance with CBSA SLMF.

Deliverables

- Provide System Use Cases, system requirements for PME due January 31, 2018;
- Provide detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components due **August 31, 2018**;
- Provide High Level Design document for PME rules, duplicate suspect processing and data survivorship rules due January 31, 2018;
- Provide Application code, including customizations based on SUCs and iterative tuning rules Due **August 31, 2018**;
- Configure PME based on iterative tuning requirements. Ongoing to end of TA.
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. **Ongoing to end of TA**;
- Perform knowledge transfer to CBSA application support team. Until end of the TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Apr 27, 2017

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Sep 28, 2018

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A



Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complète par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95841023	 

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div></div>	3			\$474,000.00
Estimated Cost / Coût estimatif				\$474,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$61,620.00
Total Estimated Cost / Coût total estimatif				\$535,620.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden March 5/18
Name of Authorized Client / Nom du client autorisé Date

Robert Penwarden
Signature

Name of Contracting Authority / Nom de l'autorité contractante Date

Bastien, Josee Digitally signed by Bastien, Josee
Date: 2018.03.23 08:17:26 -0500
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Jean P. Buller
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Jean P. Buller
Signature

March 29, 2018
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

Commitment No. / N° de
l'engagement :

Financial Coding / Code
financier :

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

2018000108

1000336054

192040060/6001/16100

Oct 1, 2018

Oct 5, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 3

Reason for the Amendment / Raison pour la modification :

The purpose of this amendment is to revise the level of effort by an additional 3 days.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

+

-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Tasks

The resource will provide CBSA with technical expertise and guidance on the following topics:



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
- Review of MDM detail design document in order to confirm or identify implementation approach;
- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM initial load and incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT truing rules in accordance with CBSA SLMF.

Deliverables

- Provide System Use Cases, system requirements for PME ongoing to end of TA
- Provide detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components, ongoing to end of TA;
- Provide High Level Design document for PME rules, duplicate suspect processing and data survivorship rules due Ongoing to end of TA;
- Provide Application code, including customizations based on SUCs and iterative tuning rules Due Ongoing to end of TA;
- Configure PME based on iterative tuning requirements. Ongoing to end of TA.
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing to end of TA;
- Perform knowledge transfer to CBSA application support team. Until end of the TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Apr 27, 2017

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2019

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95841023	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div></div>	3			\$799,875.00
Estimated Cost / Coût estimatif				\$799,875.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$103,983.75
Total Estimated Cost / Coût total estimatif				\$903,858.75

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Paré
Name of Authorized Client / Nom du client autorisé

October 1st/10
Date

Robert Paré
Signature

Name of Contracting Authority / Nom de l'autorité contractante

Date

Villeneuve, Julie 3
Signature

Digitally signed by Villeneuve, Julie 3
Date: 2018.10.01 10:15:17 -04'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLPHAM
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

ACCOUNT EXECUTIVE

Mark Colpam
Signature

Monday Oct. 1, 2018
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : DONNA CONA INC.				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000108	1000336054	192040060/6001/16100	February 11, 2019	February 15, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 4	
Reason for the Amendment / Raison pour la modification :	
Amendment #4 is raised for the following: 1) Extend end date from February 23, 2019 to February 23, 2020; 2) Add days total estimated level of effort; 3) Increase total cost from \$799,875 to \$1,254,125.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT					
Required Resource(s) / Ressource(s) requise(s)					
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret	<div>+ -</div>
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)					
See Attached Annex A - Statement of Work					
Period of Services / Période de service:					
Initial Start Date / Date de début initiale :		Initial End Date / Date de fin initiale :			
Apr 27, 2017		Apr 30, 2018			
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :				Feb 23, 2020	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale					
Travel Requirement(s) / Exigence(s) de voyage :		N/A			
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region			

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95841023	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div>+</div><div>-</div></div> Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$1,254,125.00
Estimated Cost / Coût estimatif				\$1,254,125.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$163,036.25
Total Estimated Cost / Coût total estimatif				\$1,417,161.25

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé

PENWARDEN
ROBERT

Signature

Digitally signed by PENWARDEN ROBERT
DN: cn=ca, ou=ccra-adrc,
ou=PERSONNEL, cn=PENWARDEN ROBERT,
serialNumber=2015060231118149
Date: 2019.02.13 14:31:37 -05'00'

Date

Name of Contracting Authority / Nom de l'autorité contractante

Signature

Villeneuve, Julie 3

Date

Digitally signed by Villeneuve, Julie 3

Date: 2019.02.13 15:48:38 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date

Feb 12, 2019

REQ#: 1000336054-2018000108

STATEMENT OF WORK ANNEX A

Title

Canada Border Services Agency requires one (1) Programmer / Software Developer – Level 3 – MDM– Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), Dynamic Risking, GPF, CARM and eManifest Stabilization projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop industry best practices for solution implementation, integration, and operation in production;

REQ#: 1000336054-2018000108

- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations.
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Provide guidance to configure BPM/Data Stewardship for a development workstation environment;
- Provide guidelines, standards and best practices for the install, configuration and testing of Data Stewardship in all CBSA environments;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Provide system Use Cases' updates, system requirements updates for MDM ongoing to the end of TA;
- Review and comment on CBSA non-functional requirements;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments ongoing to the end of the TA;
- Review and update MDM data mapping and MDM business functional requirements ongoing to the end of the TA;
- Develop functional business requirements for Enterprise Entity Search component by June 16, 2019;
- Deliver functional requirements for DSC Split functionality by July 30, 2019;
- Organize set of design and requirement review sessions to review DSC split functionality (September 2019);
- Prepare test scenarios for DSC Split functionality by October 30, 2019;
- Deliver preliminary mapping and high level requirements for CARM initiative by May 15, 2019
- Document results of Dynamic Risking data preparation phase and MDM ingestion results by April 30, 2019

REQ#: 1000336054-2018000108

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

REQ#: 1000336054-2018000108

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000108

Commitment No. / N° de
l'engagement :

1000336054

Financial Coding / Code
financier :

192040060/6001/16100

Date of Issuance / Date
d'émission :

Oct 24, 2019

Response required by /
Réponse requise par :

Oct 31, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 5

Reason for the Amendment / Raison pour la modification :

Amendment #5 is raised for the following:

- 1) Extend end date from February 23, 2020 to February 23, 2021;
- 2) Add : days total estimated level of effort;
- 3) Increase total cost from \$1,254,125.00 to \$1,728,125.00 (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	

+

-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See Attached Annex A - Statement of Work

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Apr 27, 2017

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2021

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais			<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div>	3			\$1,728,125.00
Estimated Cost / Coût estimatif				\$1,728,125.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$224,656.25
Total Estimated Cost / Coût total estimatif				\$1,952,781.25

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé _____ Date _____

DAROUZE TONI

Digitally signed by DAROUZE
TONI
Date: 2020.03.31 07:49:29 -04'00'

Signature

Name of Contracting Authority / Nom de l'autorité contractante _____ Date _____

Michaud,

Daniel

Digitally signed by: Michaud,
Daniel
DN: CN = Michaud, Daniel C = CA
O = GC OU = PWGSC-TPSGC
Date: 2020.04.08 12:27:39 -04'00'

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham

Account Executive

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

DocuSigned by:

Signature
FD384C5A97F0424...

2020-04-06

Date



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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : DONNA CONA INC.				
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2018000107	1000336054	1920400060/6001/10400	May 8th, 2020	May 11th, 2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **6**

Reason for the Amendment / Raison pour la modification :

Amendment #6 is raised for the following:

1) Exchange resource to continue with an ongoing project from [] to []

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM MasterData Management (MDM) - Java development Level 3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached / Voir pièce jointe

Period of Services / Période de service:

Initial Start Date / Date de début initiale : **Nov. 1st, 2018** Initial End Date / Date de fin initiale : **Feb. 23rd, 2021**

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage: n/a

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)**Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif**


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development		English/Anglais	\$		\$1,728,125.00
Estimated Cost / Coût estimatif					\$1,728,125.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$224,656.25
Total Estimated Cost / Coût total estimatif					\$1,952,781.25
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$300,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p> <p>DAROUZE TONI Digitally signed by DAROUZE TONI Date: 2020.09.03 12:00:56 -04'00'</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 300,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p> <p>KNOX JOSH Digitally signed by KNOX JOSH DN: cn=Josh, o=PWGSC, ou=PERSONNEL, cn=KNOX JOSH + SERIALNUMBER=2019020108503469 Reason: I agree to the terms defined by the placement of my signature in this document Location: your signing location here Date: 2020-09-04 07:25:35 Foxit PhantomPDF Version: 9.7.0</p>
Name of Technical Authority / Nom de l'autorité technique	Name of Contracting Authority / Nom de l'autorité contractante
Signature	Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham	Account Executive	DocuSigned by: 	2020-09-03
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		Signature FD36465A87F0424...	Date



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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART I - Required by the Task Authorization Authority / PARTIE I - Requis par l'autorité d'autorisation des tâches / 1^{re} partie du projet

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000108	1000336054	192040060/6001/16100	Apr 24, 2017	Apr 26, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background:

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated Information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects. To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services. In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective:

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables:

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks:

Provide CBSA with technical expertise and guidance on the following topics:



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the integration IBM InfoSphere Information Server (IIS) QualityStage and DataStage;
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Provide guidelines, standards and best practices for the install, configuration and testing of MDM products to all CBSA environments;
- Provide guidelines, standards and best practices for the deployment of Data Stewardship Business Process Manager (BPM) to eManifest YT environment by August 31, 2017;
- Design and develop IBM MDM server solution components including web service customizations and user interface customizations using Java technologies;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment of MDM on new high end infrastructure Research and Development Lab(RDL) by August 31, 2017;
- Provide guidance with the configuration of RDL for production sizing by August 31, 2017;
- Review and comment on the MDM Server components hardware sizing;
- Provide guidelines, standards and best practices for IBM MDM implementation. Until end of the Task Authorization (TA);
- Review, comment and update MDM data mapping and MDM business functional requirement;
- Provide guidance to the project manager for HR planning. Until the end of the TA; and
- Provide guidance with the MDM security frameworks and integration with CBSA security policy and identity stores.

Deliverables:

The Contractor shall provide the following:

- Design eMan MDM database migration strategy by April 30, 2017;
 - Document the processes and steps needed to build, administer and support all tests, in development and production environments ongoing until the end of the TA;
 - Provide guidelines, standards and best practices for the performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing until the end of the TA;
 - Develop MDM high level design and detail design documents by April 30, 2017;
 - Review and comment on CBSA non-functional requirements by May 5, 2017;
 - Review and update Critical Design Review (CDR) documentation by October 31, 2017;
 - Develop System requirements, System Use Cases by May 12, 2017;
 - Provide guidelines, standards and best practices for the deployment of Application code, including customizations. Ongoing until the end of the TA;
 - Develop, integrate and test MDM components working with an approved interchange data format. Ongoing until the end of the TA; and
 - Develop MDM server solution component packaging and promotion strategy document by May 31, 2017.
- All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework. All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment:

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Reporting Requirements

The resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début Initiale:

Apr 27, 2017

Initial End Date / Date de fin Initiale:

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage:

No

Work Location(s) / Lieu(x) de travail:

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region.

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	SECRET	95841023	<div><div>+</div><div>-</div></div>

B. Estimated Cost / Coût estimatif



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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div></div>	3			\$474,000.00
Estimated Cost / Coût estimatif				\$474,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$61,620.00
Total Estimated Cost / Coût total estimatif				\$535,620.00

PART 2 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Matthew Woods

Name of Authorized Client / Nom du client autorisé

April 25, 2017

Date

[Signature]
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/HST) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

NAJIB GHADDAR

Name of Contracting Authority / Nom de l'autorité contractante

April 27, 2017

Date

[Signature]
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXECUTIVE

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]
Signature

APRIL 24, 2017
Date



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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complète par le responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/D01/EL				
Contractor Name / Nom du Contracteur : IBM				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000184	1000335562	195050020	May 8, 2017	May 9, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :
Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in Operational Decision Manager (ODM)	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
Please see the attached SOW for details pertaining to the work being completed under this task authorization.				
Period of Services / Période de service:				
Initial Start Date / Date de début initiale :		Initial End Date / Date de fin initiale :		
May 10, 2017		October 31, 2017		
<input checked="" type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale				
Optional End Date(s) / Date(s) de fin optionnelle(s)		Status / Statut		
October 31, 2018		<input type="radio"/> In effect / en vigueur		
Travel Requirement(s) / Exigence(s) de voyage :		Travel not required		
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa, ON (National Capital Region)		

PART 2 (Completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complète par le Contracteur et/ou le responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



Public Works and
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Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in Operational Decision Manager (ODM)	3	English / Anglais	Secret		

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
Programmer/Software Developer - Specialty Operational Decision Manager (ODM)	3			\$285,600.00
Estimated Cost / Coût estimatif				\$285,600.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Tax % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$37,128.00
Total Estimated Cost / Coût total estimatif				\$322,728.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVA) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden May 5, 2017
 Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
 Signature

Nabil GARDENS May 10, 2017
 Name of Contracting Authority / Nom de l'autorité contractante Date
Nabil GARDENS
 Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Authorized Seller May 11, 2017
 Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Date
[Signature]
 Signature



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : **47060-152116/002/EL**

Contractor Name / Nom du Contracteur : **DONNA CONA INC.**

Task Authorization (TA) No.

N° de l'autorisation de tâches (AT) :

Commitment No.

N° de l'engagement :

Financial Coding

Code financier :

Date of Issuance

Date d'émission :

Response required

by

Réponse requise

d'ici le :

2018000634	1000337353	1920400060/6001/10400	Jan 18, 2020	29-Jan-2020
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B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **4**

Reason for the Amendment / Raison pour la modification :

Amendment #4 is raised for the following:

- 1) Extend end date from February 23, 2020 to February 23, 2021;
- 2) Add [REDACTED] days total estimated level of effort;
- 3) Increase total cost from [REDACTED] (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in Specialty in IBM Master Data Management (MDM) - Java Development Level 3	[REDACTED]	English / Anglais	

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached / Voir pièce jointe

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Aug 16, 2017

Initial End Date / Date de fin initiale :

23-Feb-2021

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur
Travel Requirement(s) / Exigence(s) de voyage	n/a

Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region
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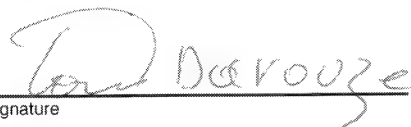
PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development		English/Anglais			
Estimated Cost / Coût estimatif					
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			
Total Estimated Cost / Coût total estimatif					
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.	En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.
The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.	La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.
Name of Technical Authority / Nom de l'autorité technici Date	Name of Contracting Authority / Nom de l'autorité contractante Date
 Signature	Digitally signed by: Michaud, Daniel DN: CN = Michaud, Daniel C = CA, O = GC OU = PWGSC-TPSGC Date: 2020.03.16 16:34:16 -0400 Michaud, Daniel Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham	Account Executive	DocuSigned by:  FD38465A07F0424...	2020-03-17
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		Signature	Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Charge du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

Commitment No. / N° de
l'engagement :

Financial Coding / Code
financier :

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

2018000634

1000337353

192040060/2001/16100

January 8, 2018

January 12, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

The MDM project delivery timelines have changed and new requirements have been presented which requires additional MDM Development work to be completed until all contentment is delivered.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer - Level 3 - MDM- Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border Initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Mentor CBSA staff on MDM and Data Stewardship deliverables to enable the CBSA to provide on-going support and maintenance
- Develop industry best practices for solution Implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations;
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Provide guidance to configure BPM/Data Stewardship for a development workstation environment;
- Provide guidelines, standards and best practices for the install, configuration, development and testing of Data Stewardship in all CBSA environments;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end Infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Define and review System Use Cases (SUCs) including but not limited to: MDM mapping transformation rules, Search, Collapse process, Uncollapse process, Split process, Master record maintain process, and Data validation process by February 15, 2018;
- Create MDM processes and services including but not limited to: Search, Collapse, Uncollapse, Split, Maintain master record, Update, Data quality assessment, and Update reference data by May 31, 2018;
- Integrate the code bases for Commercial MDM and Traveller MDM by May 31, 2018
- Create Data Steward tasks and new flows, including development of new and changes to the Data Stewardship User Interface, to maintain master record and Update/Refresh reference data by November 30, 2018;
- Develop, integrate and test MDM components working with an approved interchange data format by March 31, 2018;
- Design and implement data cleansing for Data Stewardship by November, 2018;
- Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes by February 15, 2018;
- Review and comment on CBSA for MDM non-functional requirements by February 15, 2018;
- Review and comment on CBSA for BPM and Data Stewardship non-functional requirements by September 15, 2018;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments March 31, 2018;
- Document MDM Stewardship Operational Manual; and
- Resolve assigned defects within the user acceptance testing phase from June 1 to September 31 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Date of TA Award

Initial End Date / Date de fin initiale :

February 23, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

January 31, 2019

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866S06	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux Journaller	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div></div>	3			\$252,800.00
AMENDMENT 001 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$418,700.00
Estimated Cost / Coût estimatif				\$671,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$87,295.00
Total Estimated Cost / Coût total estimatif				\$758,795.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden

Name of Authorized Client / Nom du client autorisé

Jan 10 / 17

Date

Robert Penwarden

Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Josée Bastien

Name of Contracting Authority / Nom de l'autorité contractante

16 / 1 / 2018

Date

Josée Bastien

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXEC.

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Mark Coldham

Signature

Jan. 8, 2018

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000634	1000337353	192040060/2001/16100	January 15, 2019	January 22, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Amendment#2

The MDM project delivery time lines have changed and new requirements have been presented which requires additional MDM Development work to be completed until all contentment is delivered. Therefore, extending the end date from January 31, 2019 to February 23, 2019 and add an additional days. TA value will increase by \$39,500.00 for a total value of \$711,000.00 (All applicable taxes not included).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 – MDM– Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Mentor CBSA staff on MDM and Data Stewardship deliverables to enable the CBSA to provide on-going support and maintenance
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations.
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Provide guidance to configure BPM/Data Stewardship for a development workstation environment;
- Provide guidelines, standards and best practices for the install, configuration, development and testing of Data Stewardship in all CBSA environments;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Define and review System Use Cases (SUCs) including but not limited to: MDM Un-collapse process, Split process and validation process by April 15, 2019;
- Create MDM processes and services including but not limited to: Un-collapse and Split by September 31, 2019;
- Create Data Steward Tasks and new flows, including development of new and changes to the Data Stewardship User Interface, to maintain master record and Update/Refresh reference data for commercial parties by December. 30, 2019;
- Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes for Split and commercial DSW by July 30, 2018;
- Review and comment on CBSA for BPM and Data Stewardship non-functional requirements by September 15, 2018;
- Document MDM Commercial Stewardship Operational Manual; and
- Resolve assigned defects within the user acceptance-testing phase from October 1, 2019 to January 31 2020.

All deliverables must be provided in conformance with CBSA's standard desktop operating software, which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Initial End Date / Date de fin initiale :

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Work Location(s) / Lieu(x) de travail :

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866506	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$252,800.00
AMENDMENT 001 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$418,700.00
AMENDMENT 002 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$39,500.00
Estimated Cost / Coût estimatif				\$711,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$92,430.00
Total Estimated Cost / Coût total estimatif				\$803,430.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Erin Lapensee

17-Jan-19

Name of Authorized Client / Nom du client autorisé

Date

Erin Lapensee

Signature

Name of Contracting Authority / Nom de l'autorité contractante

Date

Villeneuve, Julie 3

Signature

Digitally signed by Villeneuve, Julie

3

Date: 2019.01.18 10:28:07 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Blair Sunderland Project Execution

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

for / Mark Goldbaum

Date

Jan 17/2019



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : Donna Conna Inc.				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000634	1000337353	192040060/2001/16100	Feb 11, 2019	Feb 15, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 3	
Reason for the Amendment / Raison pour la modification :	
Amendment #3 is raised for the following: 1) Extend end date from February 23, 2019 to February 23, 2020; 2) Add days total estimated level of effort; ✓ 3) Increase total cost from \$711,000.00 to \$1,157,350.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
See Attached Annex A - Statement of Work				

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	August 16, 2017
Initial End Date / Date de fin initiale :	February 23, 2018
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :	February 23, 2020
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Travel Requirement(s) / Exigence(s) de voyage :	N/A
Work Location(s) / Lieu(x) de travail :	355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866506	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div>	3			\$252,800.00
AMENDMENT 001 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$418,700.00
AMENDMENT 002 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$39,500.00
AMENDMENT 003 - Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$446,350.00
Estimated Cost / Coût estimatif				\$1,157,350.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$150,455.50
Total Estimated Cost / Coût total estimatif				\$1,307,805.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé

PENWARDEN
ROBERT

Signature

Digitally signed by PENWARDEN ROBERT
DN: cn=, o=PWGSC, ou=TPSGC, ou=PERSONNEL,
c=CANADA, email=robert.penwarden@tpsgc.gc.ca,
serialNumber=20190213155943
Date: 2019.02.13 15:59:43 -05'00'

Date

Name of Contracting Authority / Nom de
l'autorité contractante

Villeneuve, Julie 3

Signature

Date

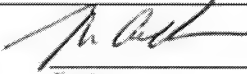
Digitally signed by Villeneuve,
Julie 3

Date: 2019.02.13 15:59:43 -05'00'



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<u>MARK COLOHAM</u>	<u></u>	<u>Feb 12, 2019</u>
Name and Title of Individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur	Signature	Date

REQ#: 1000337353-2018000634

STATEMENT OF WORK ANNEX A

Title

Canada Border Services Agency requires one (1) Programmer/Software Developer – Level 3- Specialty in IBM Master Data Management (MDM) - Java development.

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), Dynamic Risking, CAED, eManifest stabilization, CARM and GPF projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

The Contractor must perform the following tasks:

REQ#: 1000337353-2018000634

- Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 - MDM initial load for Dynamic Risking;
 - MDM development tasks for CERS;
 - MDM development tasks for CARM;

- Implement and support MDM maintenance batch processes;
- Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability,
- Provide analysis to define system functionality using the Unified Modeling Language (UML);
- Lead and facilitate Joint Application Architecture and Design sessions;
- Develop code based upon design and requirements documents for the Identity Management team:
 - for MDM maintenance batch scripts;
 - for the integration of Initial Load processes with CBSA automation tools;

- Support Quality Assurance activities;
 1. Fixing functional defects;

- Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
- Monitor the need for design changes as the MDMS & Entry Exit project progresses;
- Define assumptions and constraints of architecture with regard to physical structure and data collection;
- Develop post-implementation plan for monitoring/tracking design stability;
- Perform and coordinate impact analysis of design and technology changes for any new initiative;
- Produce SLMF documentation for design and component development;
- Participate in the reviews for design, coding, detailed level design and system use cases;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team.

Deliverables

The Contractor shall deliver the following:

- Critical Design Review (CDR) documentation including the Architecture Design and Specification (ADS) documents. To be delivered in a Word format following the SLMF template, by September 30, 2019;
- Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema, by November 30, 2019;
- Documented Industry best practices and guidance, ongoing until the end of the contract;
- Develop and support MDM maintenance batch scripts for CAED release 898 (December 2019);
- Bi-Weekly Status Report outlining the Identification of any issues or concerns, ongoing until the end of the contract;

REQ#: 1000337353-2018000634

- Perform scheduled knowledge transfer sessions to CBSA application support team to enable and enhance support of MDM, ongoing until the end of the contract;

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

REQ#: 1000337353-2018000634

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PARTIE 1 / **Partie 1** / **Completed by the Technical Project Authority** / **Complété par le Responsable technique / Charge du projet**

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000634

Commitment No. / N° de
l'engagement :

1000337353

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

August 16, 2017

Response required by /
Réponse requise par :

August 17, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 – MDM– Java development (BPM / Data Stewardship)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations.
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Provide guidance to configure BPM/Data Stewardship for a development workstation environment;
- Provide guidelines, standards and best practices for the install, configuration and testing of Data Stewardship in all CBSA environments;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Review and update MDM and BPM/Data Stewardship high level design and detail design documents within 2 weeks from start date of TA;
- Design system components within 3 weeks from start date of TA;
- Define and review System Use Cases (SUCs) including but not limited to: MDM mapping transformation rules, Search, Collapse process, Uncollapse process, Split process, Master record maintain process, and Data validation process by Sept. 29, 2017;
- Create MDM processes including but not limited to: Search, Collapse, Uncollapse, Split, Maintain master record, Update, Data quality assessment, and Update reference data by Sept. 29, 2017;
- Create tasks for Data Steward to maintain master record and Update/Refresh reference data by Sept. 29, 2017;
- Develop, integrate and test MDM components working with an approved interchange data format. February 23, 2018;
- Provide guidelines, standards and best practices for the deployment of Data Stewardship Business Process Manager (BPM) to eManifest YT environment by Sept. 29, 2017;
- Provide guidelines, standards and best practices for the deployment of Data Stewardship Business Process Manager (BPM) to project's development (YT) environments by Sept. 29, 2017;
- Design and Implement data cleansing for Data Stewardship by October 31, 2017;
- Create MDM mapping transformation rules by October 31, 2017;
- Create MDM business issues escalation rules by October 31, 2017;
- Review and update MDM data mapping and MDM business functional requirement by October 31, 2017;
- Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes by October 31, 2017;
- Review and comment on CBSA non-functional requirements by October 31, 2017;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments February 23, 2018;
- Document MDM Stewardship Operational Manual; and
- Resolve assigned defects within the user acceptance testing phase from February 1 to February 23, 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Date of TA Award

Initial End Date / Date de fin initiale :

February 23, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 completed by the Contractor under the Task Authorization / **PARTIE 2** complétée par le Contracteur en vertu de l'Autorisation de Tâches

A. Contractor Resource(s) / Ressource(s) du Contracteur


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866506	

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
 Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$252,800.00
Estimated Cost / Coût estimatif				\$252,800.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$32,864.00
Total Estimated Cost / Coût total estimatif				\$285,664.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé

Signature

Date: August 16, 2017

Name of Contracting Authority / Nom de l'autorité contractante

Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date: 08/16/2017



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000635	1000337354	192040060/2001/16100		

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

The MDM project delivery timelines have changed and new requirements have been presented which requires additional MDM development work to be done until all contentment is delivered.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Programmer / Software Developer – Level 3 – MDM – Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated Information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format,



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Mentor CBSA staff on MDM and Data Stewardship deliverables to enable the CBSA to provide on-going support and maintenance
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations,
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end Infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Define and review System Use Cases (SUCs) including but not limited to: MDM mapping transformation rules, Search, Collapse process, Uncollapse process, Split process, Master record maintain process, and Data validation process by February 15, 2018;
- Create MDM processes and services including but not limited to: Search, Collapse, Uncollapse, Split, Maintain master record, Update, Data quality assessment, and Update reference data by May 31, 2018;
- Integrate the code bases for Commercial MDM and Traveller MDM by May 31, 2018
- Develop, integrate and test MDM components working with an approved interchange data format by March 31, 2018;
- Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes by February 15, 2018;
- Review and comment on CBSA for MDM non-functional requirements by February 15, 2018;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments March 31, 2018; and
- Resolve assigned defects within the user acceptance testing phase from June 1 to September 30, 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites; nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed.

These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Initial End Date / Date de fin initiale :

☒ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
Nov 1, 2018	<input checked="" type="radio"/> In effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage :

Work Location(s) / Lieu(x) de travail :

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	grammar/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866596

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Dlem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<input checked="" type="checkbox"/> Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$252,800.00
<input type="checkbox"/> Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$339,700.00
Estimated Cost / Coût estimatif				\$592,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes applliquées	13.000	Applicable Taxes / Taxes applicables		\$77,025.00
Total Estimated Cost / Coût total estimatif				\$669,525.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Perwarden Jan 3rd, 2018
Name of Authorized Client / Nom du client autorisé Date

Robert Perwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVA) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Josée Bastien 4 January, 2018
Name of Contracting Authority / Nom de l'autorité contractante Date

Josée Bastien
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXEC Mark Coldham Dec 10, 2017
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000635

Commitment No. / N° de
l'engagement :

1000337354

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

Jul 17, 2018

Response required by /
Réponse requise par :

Jul 19, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Add an additional days

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 - MDM – Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

To provide to CBSA, ongoing until the end of the TA, technical expertise and guidance on the following topics:

- Participate in Joint Applications Discussion sessions;
- Review and comment on service or solution design based on IBM best practices.
- Review and comment on MDM high level design (including ADS documents) based on IBM best practices.
- Develop System requirements, System Use Cases based on industry standard practices.
- Use industry standard guidelines, and best practices to develop MDM detail design documentation in order to confirm or identify implementation approach;
- Review and comment on CBSA non-functional requirements
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Use industry standard best practices for solution implementation, integration, and operation in production;
- Perform defect analysis based on business requirements for each project and create new programming logic to satisfy business requirement as required;
- Use industry standard guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Use industry standard guidelines, standards and best practices for the integration IBM InfoSphere Information Server (IIS) QualityStage and DataStage;
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Use industry standard guidelines, standards and best practices for the install, configuration and testing of IBM MDM products to all CBSA environments;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Use industry standard guidelines, standards and best practices for the deployment of MDM on new high end infrastructure Research and Development Lab(RDL);
- Use industry standard guidelines, standards and best practices for the deployment of Application code, including customizations;
- Develop, integrate and test MDM components working with an approved interchange data format;
- Use industry standard guidelines, standards and best practices for the performance tuning, load balancing and optimization strategies for MDM Server environment;
- Provide guidance with the configuration of RDL for production sizing;
- Provide guidance with the MDM security frameworks and integration with CBSA security policy and identity stores; and
- Provide guidance to the project manager with regards to work effort estimations for development and customization of IBM MDM COTS product.

Deliverables

The Contractor shall deliver the following:

- Comments on service or solution design due within 2 weeks of start date of TA;
- Comments on MDM high level design and detail design due within 2 weeks of start date of TA;
- eManifest MDM database migration strategy due within 2 weeks of start date of TA;
- Comments on CBSA non-functional requirements due within 2 weeks of start date of TA;
- System requirements, System Use Cases due by Sept. 29, 2017;
- IBM MDM server solution components including web service customizations and user interface customizations using Java technologies due by Sept. 29, 2017;
- Updated Critical Design Review (CDR) documentation due by October 31, 2017;
- Comments on the MDM Server components hardware sizing due by October 31, 2017;
- Comments on MDM data mapping and MDM business functional requirement due by October 31, 2017;
- MDM server solution component packaging and promotion strategy document due by October 31, 2017;
- Document detailing processes and steps needed to build, administer and support all tests, in development and production environments due by March 31, 2018; and
- Resolve assigned defects within the user acceptance testing phase from February 1 to March 31 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Initial End Date / Date de fin initiale :

Nov 1, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirements

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3	English / Anglais	Secret	95866596	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div></div><div></div></div> Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3			\$252,800.00
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3			\$339,700.00
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3			\$98,750.00 ✓
Estimated Cost / Coût estimatif				\$691,250.00 ✓
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$89,862.50
Total Estimated Cost / Coût total estimatif				\$781,112.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/15%) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Lein Lapensee
Name of Authorized Client / Nom du client autorisé
Date: JUL 19 2018
Signature: *[Signature]*

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVII) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Mansour, Silvana
Name of Contracting Authority / Nom de l'autorité contractante
Digitally signed by Mansour, Silvana
Date: 2018.08.22 08:45:10 -04'00'
Signature: *[Signature]*

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COWAN
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur
ACCOUNT EXECUTIVE
Signature: *[Signature]*
Date: 07/26/2018



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018000635	1000337354	192040060/2001/16100	Oct 29, 2018	Nov 1, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 3

Reason for the Amendment / Raison pour la modification :

To extend the end date from November 1, 2018 to February 23, 2019 and update the SOW.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 - MDM – Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

To provide to CBSA, ongoing until the end of the TA, technical expertise and guidance on the following topics:

- Participate in Joint Applications Discussion sessions;
- Review and comment on service or solution design based on IBM best practices.
- Review and comment on MDM high level design (including ADS documents) based on IBM best practices.
- Develop System requirements, System Use Cases based on industry standard practices.
- Use industry standard guidelines, and best practices to develop MDM detail design documentation in order to confirm or identify implementation approach;
- Review and comment on CBSA non-functional requirements
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Use industry standard best practices for solution implementation, integration, and operation in production;
- Perform defect analysis based on business requirements for each project and create new programming logic to satisfy business requirement as required;
- Use industry standard guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Use industry standard guidelines, standards and best practices for the integration IBM InfoSphere Information Server (IIS) QualityStage and DataStage;
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Use industry standard guidelines, standards and best practices for the install, configuration and testing of IBM MDM products to all CBSA environments;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Use industry standard guidelines, standards and best practices for the deployment of MDM on new high end infrastructure Research and Development Lab(RDL);
- Use industry standard guidelines, standards and best practices for the deployment of Application code, including customizations;
- Develop, integrate and test MDM components working with an approved interchange data format;
- Use industry standard guidelines, standards and best practices for the performance tuning, load balancing and optimization strategies for MDM Server environment;
- Provide guidance with the configuration of RDL for production sizing;
- Provide guidance with the MDM security frameworks and integration with CBSA security policy and identity stores; and
- Provide guidance to the project manager with regards to work effort estimations for development and customization of IBM MDM COTS product.

Deliverables

The Contractor shall deliver the following:

- Comments on service or solution design due within 2 weeks of start date of TA;
- Comments on MDM high level design and detail design due within 2 weeks of start date of TA;
- eManifest MDM database migration strategy due within 2 weeks of start date of TA;
- Comments on CBSA non-functional requirements due within 2 weeks of start date of TA;
- Updated Critical Design Review (CDR) documentation with all the changes due by February 23, 2019;
- Comments on the MDM collapse results December 31, 2018;
- Document detailing processes and steps needed to build, administer and support all tests, in development and production environments due by February 23, 2019; and
- Resolve assigned defects within the user acceptance testing phase from February 23, 2019.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Aug 16, 2017

Initial End Date / Date de fin initiale :

Nov 1, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

February 23, 2019

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirements

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3	English / Anglais	Secret	95866596	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development</div></div>	3			\$252,800.00
<div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development</div>	3			\$339,700.00
<div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development</div>	3			\$98,750.00
Estimated Cost / Coût estimatif				\$691,250.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$89,862.50
Total Estimated Cost / Coût total estimatif				\$781,112.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Matthew Woods Oct 29, 2019
Name of Authorized Client / Nom du client autorisé Date

[Signature]
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante Date

Villeneuve, Julie 3 Digitally signed by Villeneuve, Julie 3
Signature Date: 2018.10.30 09:07:25 -04'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]
Signature

10/29/2018
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000635

Commitment No. / N° de
l'engagement :

1000337354

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

Feb 11, 2019

Response required by /
Réponse requise par :

Feb 15, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 4

Reason for the Amendment / Raison pour la modification :

Amendment #4 is raised for the following:

- 1) Extend end date from February 23, 2019 to February 23, 2020;
- 2) Add days total estimated level of effort; ✓
- 3) Increase total cost from \$691,250.00 to \$1,137,600.00 (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See Attached Annex A - Statement of Work

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Initial End Date / Date de fin initiale :

Nov 1, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2020

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirements

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3	English / Anglais	Secret	95866596	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development</div></div>	3			\$1,137,600.00
Estimated Cost / Coût estimatif				\$1,137,600.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$147,888.00
Total Estimated Cost / Coût total estimatif				\$1,285,488.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé
PENWARDEN ROBERT
Digitally signed by PENWARDEN ROBERT
DN: cn=ca, o=gc, ou=cca, ou=PERSONNEL,
cn=PENWARDEN ROBERT,
serialNumber=2013069231110149
Date: 2019.02.14 16:28:29 -05'00'
Signature

Date

Name of Contracting Authority / Nom de l'autorité contractante
Villeneuve, Julie 3
Signature

Date
Digitally signed by Villeneuve, Julie 3
Date: 2019.02.13 16:16:14 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

MARK COLUCCI

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur

Signature

Feb 13, 2019

Date

STATEMENT OF WORK ANNEX A

Title

Canada Border Services Agency requires one (1) Programmer / Software Developer – Level 3 – Specialty in IBM Master Data Management (MDM) - Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), Dynamic Risking, CAED, eManifest stabilization, CARM and GPF projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

The Contractor must perform the following tasks:

REQ#:1000337354-2018000635

- Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 - MDM initial load for Dynamic Risking;
 - MDM development tasks for CERS;
 - MDM development tasks for CARM;
 - Implement and support MDM maintenance batch processes;
- Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability,
- Provide analysis to define system functionality using the Unified Modeling Language (UML);
- Lead and facilitate Joint Application Architecture and Design sessions;
- Develop code based upon design and requirements documents for the Identity Management team:
 - for MDM maintenance batch scripts;
 - for the integration of Initial Load processes with CBSA automation tools;
- Support Quality Assurance activities;
 - 1. Fixing functional defects;
- Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
- Monitor the need for design changes as the MDMS & Entry Exit project progresses;
- Define assumptions and constraints of architecture with regard to physical structure and data collection;
- Develop post-implementation plan for monitoring/tracking design stability;
- Perform and coordinate impact analysis of design and technology changes for any new initiative;
- Produce SLMF documentation for design and component development;
- Participate in the reviews for design, coding, detailed level design and system use cases;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team.

Deliverables

The Contractor shall deliver the following:

- Critical Design Review (CDR) documentation including the Architecture Design and Specification (ADS) documents. To be delivered in a Word format following the SLMF template, by September 30, 2019;
- Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema, by November 30, 2019;
- Documented Industry best practices and guidance, ongoing until the end of the contract;
- Develop and support MDM maintenance batch scripts for CAED release 898 (December 2019);
- Bi-Weekly Status Report outlining the Identification of any issues or concerns, ongoing until the end of the contract;
- Perform scheduled knowledge transfer sessions to CBSA application support team to enable and enhance support of MDM, ongoing until the end of the contract;

REQ#:1000337354-2018000635

- DSC Split services development, Sept 30, 2019;
- ICES Integration model changes, Nov 30, 2019;
- ICES integration services development, Jan 31, 2020.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

REQ#:1000337354-2018000635

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (Completed by the Technical Project Authority) / **PARTIE 1** (complétée par le Responsable technique / Chef de projet (M) (p.4))

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/002/EL		
Contractor Name / Nom du Contracteur :		DONNA CONA INC.		
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2018000635	11000337354	1920400060/6001/10400	Jan 18, 2020	29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 5	
Reason for the Amendment / Raison pour la modification :	
Amendment #5 is raised for the following:	
1) Extend end date from February 23, 2020 to February 23, 2021;	
2) Add : days total estimated level of effort;	
3) Increase total cost from \$1,728,125.00 to \$1,811,600.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT			
Required Resource(s) / Ressource(s) requise(s)			
Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development Level 3		English / Anglais	
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)			
See attached / Voir pièce jointe			

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	Initial End Date / Date de fin initiale :
Nov 1, 2018	23-Feb-2021
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input checked="" type="radio"/> In Effect / en vigueur
Travel Requirement(s) / Exigence(s) de voyage n/a	

Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region
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PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif					
Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT					
Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software Developer - Specialty in IBM - Master Data Management (MDM) - Java development		English/Anglais			\$1,611,600.00
Estimated Cost / Coût estimatif					\$1,611,600.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$209,508.00
Total Estimated Cost / Coût total estimatif					\$1,821,108.00
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(n) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Technical Authority / Nom de l'autorité techni Date</p> <p><i>[Signature]</i></p> <p>Signature</p>	<p>Name of Contracting Authority / Nom de l'autorité contractante Date</p> <p>CASTONGUA Y-KARIEANNE</p> <p>Digitally signed by CASTONGUA Y-KARIEANNE DN: cn=, o=, ou=Contracting, ou=PERSONNEL, serialNumber=01506112701000 + c=CASTONGUA Y-KARIEANNE Reason: I am the author of this document Location: Date: 2020.01.23 15:28:05 Ford Pktsford PDF Version: 9.4.1</p> <p>Signature</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<p><i>MARK OLIVIER</i> <i>Account Executive</i></p> <p>Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur</p>	<p><i>[Signature]</i></p> <p>Signature</p>	<p><i>Jan 22, 2020</i></p> <p>Date</p>
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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 - General Information / PARTIE 1 - Informations générales

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018000635

Commitment No. / N° de
l'engagement :

1000337354

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

August 16, 2017

Response required by /
Réponse requise par :

August 17, 2017

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret	<div><div></div><div></div><div></div></div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Programmer / Software Developer – Level 3 - MDM – Java development (Server Expert)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

Acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format,



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide to CBSA, ongoing until the end of the TA, technical expertise and guidance on the following topics:

- Participate in Joint Applications Discussion sessions;
- Review and comment on service or solution design based on IBM best practices.
- Review and comment on MDM high level design (including ADS documents) based on IBM best practices.
- Develop System requirements, System Use Cases based on industry standard practices.
- Use industry standard guidelines, and best practices to develop MDM detail design documentation in order to confirm or identify implementation approach;
- Review and comment on CBSA non-functional requirements
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Use industry standard best practices for solution implementation, integration, and operation in production;
- Perform defect analysis based on business requirements for each project and create new programming logic to satisfy business requirement as required;
- Use industry standard guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Use industry standard guidelines, standards and best practices for the integration IBM InfoSphere Information Server (IIS) QualityStage and DataStage;
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Use industry standard guidelines, standards and best practices for the install, configuration and testing of IBM MDM products to all CBSA environments;
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Use industry standard guidelines, standards and best practices for the deployment of MDM on new high end infrastructure Research and Development Lab(RDL);
- Use industry standard guidelines, standards and best practices for the deployment of Application code, Including customizations;
- Develop, integrate and test MDM components working with an approved interchange data format;
- Use industry standard guidelines, standards and best practices for the performance tuning, load balancing and optimization strategies for MDM Server environment;
- Provide guidance with the configuration of RDL for production sizing;
- Provide guidance with the MDM security frameworks and integration with CBSA security policy and identity stores; and
- Provide guidance to the project manager with regards to work effort estimations for development and customization of IBM MDM COTS product.

Deliverables

The Contractor shall deliver the following:

- Comments on service or solution design due within 2 weeks of start date of TA;
- Comments on MDM high level design and detail design due within 2 weeks of start date of TA;
- eManifest MDM database migration strategy due within 2 weeks of start date of TA;
- Comments on CBSA non-functional requirements due within 2 weeks of start date of TA;
- System requirements, System Use Cases due by Sept. 29, 2017;
- IBM MDM server solution components including web service customizations and user interface customizations using Java technologies due by Sept. 29, 2017;
- Updated Critical Design Review (CDR) documentation due by October 31, 2017;
- Comments on the MDM Server components hardware sizing due by October 31, 2017;
- Comments on MDM data mapping and MDM business functional requirement due by October 31, 2017;
- MDM server solution component packaging and promotion strategy document due by October 31, 2017;
- Document detailing processes and steps needed to build, administer and support all tests, in development and production environments due by February 23, 2018; and
- Resolve assigned defects within the user acceptance testing phase from February 1 to February 23, 2018.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Date of TA Award

Initial End Date / Date de fin initiale :

February 23, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

355 North River Road, Ottawa, Ontario K1A 0L8

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	grammar/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	95866596	<div>+ -</div>



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development</div></div>	3			\$252,800.00
Estimated Cost / Coût estimatif				\$252,800.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$32,864.00
Total Estimated Cost / Coût total estimatif				\$285,664.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden Aug 16, 2017
Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

NIA
Name of Contracting Authority / Nom de l'autorité contractante Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXECUTIVE [Signature] 08/16/2017
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (to be completed by the Technical/Project Authority) / **PARTIE 1** (à compléter par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001578

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

192040060-6001-34210

Date of Issuance / Date
d'émission :

Feb 7, 2018

Response required by /
Réponse requise par :

Feb 13, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Data Management (MDM) - Java Development	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 – MDM – Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Mentor CBSA staff on MDM and Data Stewardship deliverables to enable the CBSA to provide on-going support and maintenance
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations.
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Define and review System Use Cases (SUCs) including but not limited to: MDM mapping transformation rules, Search, Collapse process, Uncollapse process, Split process, Master record maintain process, and Data validation process by February 15, 2018;
 - Create MDM processes and services including but not limited to: Search, Collapse, Uncollapse, Split, Maintain master record, Update, Data quality assessment, and Update reference data by May 31, 2018;
 - Integrate the code bases for Commercial MDM and Traveller MDM by May 31, 2018
 - Develop, integrate and test MDM components working with an approved interchange data format by March 31, 2018;
 - Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes by February 15, 2018;
 - Review and comment on CBSA for MDM non-functional requirements by February 15, 2018;
 - Document the processes and steps needed to build, administer and support all tests, in development and production environments March 31, 2018;
- and
- Resolve assigned defects within the user acceptance testing phase on going until end of TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Feb 19, 2018

Initial End Date / Date de fin initiale :

Dec 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirement under this Task Authorization.

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8 or an alternative CBSA location in the NCR.

PART 2 (completed by the Contractor and/or the Technical Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Data Management (MDM) - Java Development	3	English / Anglais	Secret	1016058	<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty</div><div>IBM Data Management (MDM) - Java Development</div></div>	3			\$197,500.00
Estimated Cost / Coût estimatif				\$197,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$25,675.00
Total Estimated Cost / Coût total estimatif				\$223,175.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden Feb 6, 2018
Name of Authorized Client / Nom du client autorisé Date
Robert Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXECUTIVE Feb 6, 2018
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001578

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

19204006001-34210

Date of Issuance / Date
d'émission :

Jul 17, 2018

Response required by /
Réponse requise par :

Jul 19, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

Adding days

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM Data Management (MDM) - Java Development	3		English / Anglais	Secret	+ -

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 - MDM – Java development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

- Participate in Joint Applications Discussion sessions;
- Provide guidelines, and best practices for the MDM detail design document in order to confirm or identify implementation approach;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Mentor CBSA staff on MDM and Data Stewardship deliverables to enable the CBSA to provide on-going support and maintenance
- Develop industry best practices for solution implementation, integration, and operation in production;
- Perform defect analysis and create new requirements as required;
- Review, modify and update service or solution design, as necessary;
- Provide guidelines, standards and best practices for the Integration with IBM Integration Bus (IIB) - Enterprise Service Bus (ESB);
- Provide guidelines, standards and best practices for the deployment of Application code, including customizations.
- Provide guidance to package a fixed or enhanced solution for redeployment;
- Develop, integrate and test MDM components working with an approved interchange data format.
- Provide guidance to the project manager for HR planning.
- Design and implement system integration components to integrate the IBM InfoSphere MDM server solution with CBSA business systems and third party reference data sources;
- Provide guidelines, standards and best practices for the deployment on new high end infrastructure Research and Development Lab(RDL).

Deliverables

The Contractor shall deliver the following:

- Define and review System Use Cases (SUCs) including but not limited to: MDM mapping transformation rules, Search, Collapse process, Uncollapse process, Split process, Master record maintain process, and Data validation process by February 15, 2018;
- Create MDM processes and services including but not limited to: Search, Collapse, Uncollapse, Split, Maintain master record, Update, Data quality assessment, and Update reference data by May 31, 2018;
- Integrate the code bases for Commercial MDM and Traveller MDM by May 31, 2018
- Develop, integrate and test MDM components working with an approved interchange data format by March 31, 2018;
- Review and update Critical Design Review (CDR) documentation including but not limited to: System requirements specifications, Architecture and design specification(ADS)-part 3, 4 and 5, ADS Annex A, System-Requirement Traceability Matrix, and Release notes by February 15, 2018;
- Review and comment on CBSA for MDM non-functional requirements by February 15, 2018;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments March 31, 2018; and
- Resolve assigned defects within the user acceptance testing phase on going until end of TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Feb 19, 2018

Initial End Date / Date de fin initiale :

Dec 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirement under this TA

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ont. K1A 0L8 or an alternative CBSA location in the NCR

PART 2 (completed by the Contractor and/or the Technical Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Data Management (MDM) - Java Development	3	English / Anglais	Secret	1016058	+ -

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer/Software Developer - Specialty in IBM Data Mangement (MDM) - Java Development</div></div>	3			\$197,500.00
Programmer/Software Developer - Specialty in IBM Data Mangement (MDM) - Java Development	3			\$118,500.00 ✓
Estimated Cost / Coût estimatif				\$316,000.00 ✓
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$41,080.00
Total Estimated Cost / Coût total estimatif				\$357,080.00 ✓



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Erin Lapensee JUL 19 2018
Name of Authorized Client / Nom du client autorisé Date
[Signature]
Signature

Villeneuve, Julie 3
Name of Contracting Authority / Nom de l'autorité contractante
[Signature] Signature
Date: 2018.10.19 08:49:05 -04'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLOTHAM ACCOUNT EXECUTIVE [Signature] 07/26/2018
Name and title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019002452

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

192040060/6001/10400

Date of Issuance / Date
d'émission :

Oct 31, 2019

Response required by /
Réponse requise par :

Nov 8, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Amendment #2 is raised for the following:

- 1) Extend end date from February 23, 2020 to February 23, 2021;
- 2) Add _____ days total estimated level of effort;
- 3) Increase total cost from 474,000.00 to 948,000.00 (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software developer - Specialty in IBM Master Data Management (MDM) - Java Development	3		English / Anglais	

+

-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See Attached Annex A - Statements of Work

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Jan 24, 2019

Initial End Date / Date de fin initiale :

May 31, 2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2021

☒ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3	English / Anglais			+ -

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div></div></div> Programmer/Software Developer - Specialty IBM Master Data Management (MDM) - Java Development	3			\$948,000.00
Estimated Cost / Coût estimatif				\$948,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$123,240.00
Total Estimated Cost / Coût total estimatif				\$1,071,240.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé _____ Date _____

DAROUZE TONI Digitally signed by DAROUZE TONI
Date: 2020.03.31 07:51:58 -04'00'

Signature

Name of Contracting Authority / Nom de l'autorité contractante _____ Date _____

Michaud, Daniel Digitally signed by: Michaud, Daniel
DN: CN = Michaud, Daniel C = CA
O = GC OU = PWGSC-TPSGC
Date: 2020.04.06 12:28:24 -0400

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

DocuSigned by:

Signature

PD384C5A97F0424...

2020-04-06

Date



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : **47060-152116/002/EL**

Contractor Name / Nom du Contracteur : **DONNA CONA INC.**

Task Authorization (TA) No.

N° de l'autorisation de tâches (AT) :

Commitment No.

N° de l'engagement :

Financial Coding

Code financier :

Date of Issuance

Date d'émission :

Response required

by
Réponse requise
d'ici le :

2018001579

1000339848

1920400060/6001/10400

Jan 18, 2020

29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **4**

Reason for the Amendment / Raison pour la modification :

Amendment #4 is raised for the following:

- 1) Extend end date from February 23, 2020 to February 23, 2021;
- 2) Add [REDACTED] days total estimated level of effort;
- 3) Increase total cost from [REDACTED] (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Infosphere Information Server (IIS) Datastage and Quality Stage Level 3	[REDACTED]	English / Anglais	

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached / Voir pièce jointe

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

05-Mar-2018

Initial End Date / Date de fin initiale :

23-Feb-2021

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage n/a

Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region
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PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
<div></div> Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development		English/Anglais	<div></div>	<div></div>	\$1,179,800.00
Estimated Cost / Coût estimatif					\$1,179,800.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$153,374.00
Total Estimated Cost / Coût total estimatif					\$1,333,174.00
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Technical Authority / Nom de l'autorité technicienne Date</p> <p></p> <p>Signature</p>	<p>Name of Contracting Authority / Nom de l'autorité contractante Date</p> <p>Digitally signed by: Michaud, Daniel DN: CN = Michaud, Daniel C = CA O = GC OU = PWGSC-TPSGC Date: 2020.03.16 16:36:18 - 04'00'</p> <p>Michaud, Daniel</p> <p>Signature</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham	Account Executive	<p>DocuSigned by:</p>  <p>2020-03-17</p>
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		<p>Signature</p> <p>ED384C5A97E0424...</p> <p>Date</p>



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (Completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001579

Commitment No. / N° de
l'engagement :

1000339848

Financial Coding / Code
financier :

192040060/6001/34210

Date of Issuance / Date
d'émission :

Jul 17, 2018

Response required by /
Réponse requise par :

Jul 19, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

Add an additional days

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	3		English / Anglais	Secret

+

-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Title

Programmer / Software Developer – Level 3 – in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).



Ministère de l'Immigration, des
 Réfugiés et de la Citoyenneté
 Canada

Immigration, Refugees and
 Citizenship Canada

TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

The Contractor must perform the following tasks:

- Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 1. Commercial Data Quality Service (CDQS); and
 2. Data Preparation and Loading Service (DPLS);
 3. MDM initial load
- Implement IBM DataStage/QualityStage procedures and decision flows best practices for maintaining CDQS, the development of DPLS and ETL jobs for initial loads;
- Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability, performance, usability, enhanced portability, high volumes) for CDQS and DPLS;
- Provide analysis to define system functionality using the Unified Modeling Language (UML);
- Lead and facilitate Joint Application Architecture and Design sessions;
- Identify and document IBM DataStage/QualityStage and Extract, Transform and Load (ETL) specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions while conforming to the CBSA's standards and guidelines;
- Identify and document IBM DataStage/QualityStage Jobs that perform Data Cleansing and Data Standardization
- Analyze and impact potential Cleansing/Standardizing releases that could impact CDQS and DPLS;
- Provide advice, recommendations, and mentoring on IBM DataStage/QualityStage Jobs and ETL processes to the Identity Management team;
- Develop and present briefings/presentations related to the IBM DataStage/QualityStage Jobs and ETL process to business clients, IT partners and senior management as required;
- Develop code based upon design and requirements documents for the Identity Management team:
 1. for the maintenance of CDQS;
 2. for the development of DPLS
 3. Data Cleansing;
 4. Data Standardization;
 5. for the development of ETL and Initial Load processes;
 6. for the integration of Initial Load processes with CBSA automation tools;
- Support Quality Assurance activities:
 1. Fixing functional defects;
 2. Addressing non-functional defects related to ETL jobs, DPLS and CDQS;
- Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
- Unit test the code for CDQS, DPLS and ETL prior to releasing it for integration testing;
- Monitor the need for design changes as the MDMS & Entry Exit project progresses;
- Define assumptions and constraints of architecture with regard to physical structure and data collection;
- Develop post implementation plan for monitoring/tracking design stability;
- Perform and coordinate impact analysis of design and technology changes;
- Advise project leader/manager on planning and controlling projects using an iterative development approach for the CDQS, DPLS and ETL tasks;
- Provide recommendations on enhancing application performance for the cleansing and standardizing components CDQS, DPLS and ETL processes;
- Produce SLMF documentation for design and component development;
- Participate in the reviews for design, coding, detailed level design and system use cases related to DPLS, CDQS and ETL processes.

Deliverables

The Contractor shall deliver the following:

- Feedback report on the DPLS and Initial Load development plan. To be delivered in email or word format. Within 2 weeks of start of TA;
- Critical Design Review (CDR) documentation for DPLS including the Architecture Design and Specification (ADS) documents. To be delivered in a Word format following the SLMF template. By February 15, 2018;
- Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema for DPLS Data Cleansing and Data Standardization. By January 31, 2018;
- Documented Industry best practices and guidance with regards to DPLS (Data Cleansing and Standardization), Initial Load Jobs which includes:
 - Data Analysis Report;
 - Cleansing & Standardization rule development including the definition of the rules;
 - Testing;
 - Support of Data extract;
 - DataStage jobs to load data extract into DML tables;
 - DataStage/ QualityStage jobs to run cleanse/standardization;
 - Datastage jobs to create XML load file for MDM.



Public Works and
 Government Services
 Canada

Travaux publics et
 services gouvernementaux
 Canada

TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- To be delivered in a Word format. By September 30, 2018;
- Develop DPLS application and Initial Load Jobs ready for use (RFU) and migrate to the transition environment for User Acceptance testing. By May 31, 2018;
- Bi-Weekly Status Report outlining the Identification of any issues or concerns;

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SI MF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or link (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed.

These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Initial End Date / Date de fin initiale :

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

Work Location(s) / Lieu(x) de travail :

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. Contractor Resource(s) / Ressource(s) du Contracteur

Only once approved, only the following resources may provide services under this TA. / Nota: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	3	English / Anglais	Secret	95942096	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	3			\$170,000.00
- Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and Quality Stage	3			\$68,000.00 ✓
Estimated Cost / Coût estimatif				\$238,000.00 ✓
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$30,940.00
Total Estimated Cost / Coût total estimatif				\$268,940.00 ✓

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments including this TA is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Erin Lapensee

Name of Authorized Client / Nom du client autorisé

JUL 19 2018

Date

[Signature]

Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. Lorsque la valeur de l'AT et ses modifications incluant la TPS/TVH dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Mansour, Silvana

Name of Contracting Authority / Nom de l'autorité contractante

Digitally signed by Mansour, Silvana
Date: 2018.08.22 08:48:04 -04'00'

Date

[Signature]

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLHAM ACCOUNT EXECUTIVE

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]

Signature

07/26/2018

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001579

Commitment No. / N° de
l'engagement :

1000339848

Financial Coding / Code
financier :

192040060/6001/34210

Date of Issuance / Date
d'émission :

Oct 17, 2018

Response required by /
Réponse requise par :

Oct 31, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

This amendment is being raised to increase the TA by \$144,500.00 (before taxes), increase the level of effort by days, and extend the end date to February 23, 2019.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Application/Software Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Number of resources: One Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Title: Programmer / Software Developer – Level 3 – in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format,



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

The Contractor must perform the following tasks:

- Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 1. Commercial Data Quality Service (CDQS); and
 2. Data Preparation and Loading Service (DPLS);
 3. MDM initial load
- Implement IBM DataStage/QualityStage procedures and decision flows best practices for maintaining CDQS, the development of DPLS and ETL jobs for initial loads;
- Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability, performance, usability, enhanced portability, high volumes) for CDQS and DPLS;
- Provide analysis to define system functionality using the Unified Modeling Language (UML);
- Lead and facilitate Joint Application Architecture and Design sessions;
- Identify and document IBM DataStage/QualityStage and Extract, Transform and Load (ETL) specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions while conforming to the CBSA's standards and guidelines;
- Identify and document IBM DataStage/QualityStage Jobs that perform Data Cleansing and Data Standardization
- Analyze and impact potential Cleansing/Standardizing releases that could impact CDQS and DPLS.
- Provide advice, recommendations, and mentoring on IBM DataStage/QualityStage Jobs and ETL processes to the Identity Management team;
- Develop and present briefings/presentations related to the IBM DataStage/QualityStage Jobs and ETL process to business clients, IT partners and senior management as required;
- Develop code based upon design and requirements documents for the Identity Management team:
 1. for the maintenance of CDQS;
 2. for the development of DPLS
 3. Data Cleansing;
 4. Data Standardization;
 5. for the development of ETL and Initial Load processes;
 6. for the integration of Initial Load processes with CBSA automation tools;
- Support Quality Assurance activities;
 1. Fixing functional defects;
 2. Addressing non-functional defects related to ETL jobs, DPLS and CDQS;
- Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
- Unit test the code for CDQS, DPLS and ETL prior to releasing it for integration testing;
- Monitor the need for design changes as the MDMS & Entry Exit project progresses;
- Define assumptions and constraints of architecture with regard to physical structure and data collection;
- Develop post-implementation plan for monitoring/tracking design stability;
- Perform and coordinate impact analysis of design and technology changes;
- Advise project leader/manager on planning and controlling projects using an iterative development approach for the CDQS, DPLS and ETL tasks;
- Provide recommendations on enhancing application performance for the cleansing and standardizing components CDQS, DPLS and ETL processes;
- Produce SLMF documentation for design and component development;
- Participate in the reviews for design, coding, detailed level design and system use cases related to DPLS, CDQS and ETL processes.

Deliverables

The Contractor shall deliver the following:

- Feedback report on the DPLS and Initial Load development plan. To be delivered in email or word format. Within 2 weeks of start of TA;
- Critical Design Review (CDR) documentation for DPLS including the Architecture Design and Specification (ADS) documents. To be delivered in a Word format following the SLMF template. By February 15, 2018;
- Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema for DPLS Data Cleansing and Data Standardization. By January 31, 2018;
- Documented Industry best practices and guidance with regards to DPLS (Data Cleansing and Standardization), Initial Load Jobs which includes:
 - Data Analysis Report;
 - Cleansing & Standardization rule development including the definition of the rules;
 - Testing;
 - Support of Data extract;
 - DataStage jobs to load data extract into DML tables;



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

- DataStage/ QualityStage jobs to run cleanse/standardization ;
- Datastage jobs to create XML load file for MDM.
- To be delivered in a Word format. By September 30, 2018;
- Develop DPLS application and Initial Load Jobs ready for use (RFU) and migrate to the transition environment for User Acceptance testing. By May 31, 2018;
- Bi-Weekly Status Report outlining the Identification of any issues or concerns;

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed.

These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Mar 5, 2018

Initial End Date / Date de fin initiale :

Dec 31, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2019

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complète par le Contracteur et/ou le Responsable technique / Chargé du projet)



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	95942096

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div></div><div></div></div> Programmer/Software Developer -Specialty IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3			\$382,500.00
Estimated Cost / Coût estimatif				\$382,500.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$49,725.00
Total Estimated Cost / Coût total estimatif				\$432,225.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Matthew Woods Oct 18, 2018
Name of Authorized Client / Nom du client autorisé Date

[Signature]
Signature

Name of Contracting Authority / Nom de l'autorité contractante Date

Villeneuve, Julie 3
Signature Digitally signed by Villeneuve, Julie 3
Date: 2018.10.18 15:16:37 -04'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXECUTIVE
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]
Signature

10/18/2018
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/002/EL		
Contractor Name / Nom du Contracteur :		Donna Conna Inc.		
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018001579	1000339848	192040060/6001/34210	February 11, 2019	February 15, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 3	
Reason for the Amendment / Raison pour la modification :	
Amendment #3 is raised for the following: 1) Extend end date from February 23, 2019 to February 23, 2020; 2) Add days total estimated level of effort; ✓ 3) Increase total cost from \$382,500 to \$771,800.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT					
Required Resource(s) / Ressource(s) requise(s)					
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret	<div>+ -</div>
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)					
See Attached Annex A - Statement of Work					

Period of Services / Période de service:			
Initial Start Date / Date de début initiale :	Mar 5, 2018	Initial End Date / Date de fin initiale :	Dec 31, 2018
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :		Feb 23, 2020	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale			
Travel Requirement(s) / Exigence(s) de voyage :		N/A	
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa Ontario K1A 0L8	

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur	
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.	



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	95942096	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer -Specialty - IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3			\$771,800.00
Estimated Cost / Coût estimatif				\$771,800.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$100,334.00
Total Estimated Cost / Coût total estimatif				\$872,134.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé
PENWARDEN ROBERT
Digitally signed by PENWARDEN ROBERT
DN: cn=, o=, ou=, email=, serialNumber=201908021115449
Date: 2019.02.11 15:56:14 -0500'
Signature

Name of Contracting Authority / Nom de
l'autorité contractante
Villeneuve, Julie 3
Digitally signed by Villeneuve,
Julie 3
Date: 2019.02.13 14:12:58 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COUDAM
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur
Signature
Feb 12, 2019
Date

STATEMENT OF WORK ANNEX A

Title:

Canada Border Services Agency requires one (1) Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Background:

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective:

Acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables:

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

The Contractor must perform the following tasks:

1. Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 - 1.1 Commercial Data Quality Service (CDQS); and
 - 1.2 Data Preparation and Loading Service (DPLS);
 - 1.3 MDM initial load

2. Implement IBM DataStage/QualityStage procedures and decision flow best practices for maintaining CDQS, the development of DPLS and ETL jobs for initial loads
3. Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability, performance, usability, enhanced portability, high volumes) for CDQS and DPLS;
4. Provide analysis to define system functionality using the Unified Modeling Language (UML);
5. Lead and facilitate Joint Application Architecture and Design sessions;
6. Identify and document IBM DataStage/QualityStage and Extract, Transform and Load (ETL) specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions while conforming to the CBSA's standards and guidelines;
7. Identify and document IBM DataStage/QualityStage Jobs that perform Data Cleansing and Data Standardization
8. Analyze and impact potential Cleansing/Standardizing releases that could impact CDQS and DPLS.
9. Provide advice, recommendations, and mentoring on IBM DataStage/QualityStage Jobs and ETL processes to the Identity Management team;
10. Develop and present briefings/presentations related to the IBM DataStage/QualityStage Jobs and ETL process to business clients, IT partners and senior management as required;
11. Develop code based upon design and requirements documents for the Identity Management team:
 - 11.1 for the maintenance of CDQS;
 - 11.2 for the development of DPLS
 - 11.2.1 Data cleansing
 - 11.2.2 Data Standardization
 - 11.3 for the development of ETL and Initial Load processes.
 - 11.4 for the integration of Initial Load processes with CBSA automation tools
12. Support Quality Assurance activities;
 - 12.1 Fixing functional defects
 - 12.2 Addressing non-functional defects related to ETL jobs, DPLS and CDQS
13. Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
14. Unit test the code for CDQS, DPLS and ETL prior to releasing it for integration testing;
15. Monitor the need for design changes as the MDMS & Entry Exit project progresses;

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16. Define assumptions and constraints of architecture with regard to physical structure and data collection;
17. Develop post-implementation plan for monitoring/tracking design stability;
18. Perform and coordinate impact analysis of design and technology changes;
19. Advise project leader/manager on planning and controlling projects using an iterative development approach for the CDQS, DPLS and ETL tasks;
20. Provide recommendations on enhancing application performance for the cleansing and standardizing components CDQS, DPLS and ETL processes;
21. Produce SLMF documentation for design and component development;
22. Participate in the reviews for design, coding, detailed level design and system use cases related to DPLS, CDQS and ETL processes.
23. Mentor CBSA staff on DPLS and CDQS deliverables to enable the CBSA to provide on-going support and maintenance

Deliverables :

1. Critical Design Review (CDR) documentation for DPLS including the Architecture Design and Specification (ADS) documents. To be updated in a Word format following the SLMF template as required;
2. Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema for DPLS Data Cleansing and Data Standardization to be updated as required;

Develop Dynamic Risking ETL code to generate PME tuning data set – March 2019

Develop Dynamic Risking ETL code to generate MDM ingestion transactions – May 2019

Develop Dynamic Risking ETL code to create analytical files for mathematical lab consumption and building risking algorithms – June 2019

Develop ICES ETL scripts for MDM initial ingestion – November 2019

Develop ICES data cleansing jobs for MDM ongoing ingestion – October 2019

3. Documented Industry best practices and guidance with regards to DPLS (Data Cleansing and Standardization), Initial Load Jobs which includes:

- Data Analysis Report;
- Cleansing & Standardization rule development including the definition of the new rules for Dynamic Risking and ICES integration;
- Testing;
- Support of Data extract;

REQ#1000339848 - 2018001579

- DataStage jobs to load data extract into DML tables;
- DataStage/ QualityStage jobs to run cleanse/standardization ;
- Datastage jobs to create XML load file for MDM.

To be delivered in a Word format. By September 30, 2019;

4. Status Report outlining:

- Identification of any issues or concerns;
- Time sheet mapped to deliverables;

To be delivered to the Project Authority, in a MS Word format. Weekly.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment :

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints:

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language:

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements:

REQ#1000339848 - 2018001579

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work:

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support:

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001579

Commitment No. / N° de
l'engagement :

1000339848

Financial Coding / Code
financier :

192040060/6001/34210

Date of Issuance / Date
d'émission :

Feb 27, 2018

Response required by /
Réponse requise par :

Mar 2, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Application/Software Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Number of resources: One Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Title: Programmer / Software Developer – Level 3 – in IBM InfoSphere Information Server (IIS) DataStage and QualityStage

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one Application/Software Developer Level 3 to perform the tasks and deliverables below.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format,



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

To provide CBSA with technical expertise and guidance and development support, ongoing until the end of the TA, on the following:

The Contractor must perform the following tasks:

- Develop and integrate technical frameworks and strategies, in order to meet the business and application requirements for the:
 1. Commercial Data Quality Service (CDQS); and
 2. Data Preparation and Loading Service (DPLS);
 3. MDM initial load
- Implement IBM DataStage/QualityStage procedures and decision flows best practices for maintaining CDQS, the development of DPLS and ETL jobs for initial loads;
- Follow the CBSA project development life cycle with the Identity Management team in engineering a cleansing/standardization solution based on non-functional requirements (e.g. reliability,
- performance, usability, enhanced portability, high volumes) for CDQS and DPLS;
- Provide analysis to define system functionality using the Unified Modeling Language (UML);
- Lead and facilitate Joint Application Architecture and Design sessions;
- Identify and document IBM DataStage/QualityStage and Extract, Transform and Load (ETL) specific standards relating to programming, documentation and testing, covering program libraries, data dictionaries, naming conventions while conforming to the CBSA's standards and guidelines;
- Identify and document IBM DataStage/QualityStage Jobs that perform Data Cleansing and Data Standardization
- Analyze and impact potential Cleansing/Standardizing releases that could impact CDQS and DPLS.
- Provide advice, recommendations, and mentoring on IBM DataStage/QualityStage Jobs and ETL processes to the Identity Management team;
- Develop and present briefings/presentations related to the IBM DataStage/QualityStage Jobs and ETL process to business clients, IT partners and senior management as required;
- Develop code based upon design and requirements documents for the Identity Management team:
 1. for the maintenance of CDQS;
 2. for the development of DPLS
- 3. Data Cleansing;
- 4. Data Standardization;
- 5. for the development of ETL and Initial Load processes;
- 6. for the integration of Initial Load processes with CBSA automation tools;
- Support Quality Assurance activities;
 1. Fixing functional defects;
 2. Addressing non-functional defects related to ETL jobs, DPLS and CDQS;
- Executing and monitoring Initial Load Jobs across all CBSA STAR environment;
- Unit test the code for CDQS, DPLS and ETL prior to releasing it for integration testing;
- Monitor the need for design changes as the MDMS & Entry Exit project progresses;
- Define assumptions and constraints of architecture with regard to physical structure and data collection;
- Develop post-implementation plan for monitoring/tracking design stability;
- Perform and coordinate impact analysis of design and technology changes;
- Advise project leader/manager on planning and controlling projects using an iterative development approach for the CDQS, DPLS and ETL tasks;
- Provide recommendations on enhancing application performance for the cleansing and standardizing components CDQS, DPLS and ETL processes;
- Produce SLMF documentation for design and component development;
- Participate in the reviews for design, coding, detailed level design and system use cases related to DPLS, CDQS and ETL processes.

Deliverables

The Contractor shall deliver the following:

- Feedback report on the DPLS and Initial Load development plan. To be delivered in email or word format. Within 2 weeks of start of TA;
- Critical Design Review (CDR) documentation for DPLS including the Architecture Design and Specification (ADS) documents. To be delivered in a Word format following the SLMF template. By March 30, 2018;
- Interface Control Documentation (ICD) and Web Service Definition Language (WSDL) and XML Schema Definition (XSD) schema for DPLS Data Cleansing and Data Standardization. By April 06, 2018;
- Documented Industry best practices and guidance with regards to DPLS (Data Cleansing and Standardization), Initial Load Jobs which includes:
 - Data Analysis Report;
 - Cleansing & Standardization rule development including the definition of the rules;
 - Testing;
 - Support of Data extract;
 - DataStage jobs to load data extract into DML tables;



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- DataStage/ QualityStage jobs to run cleanse/standardization ;
- Datastage jobs to create XML load file for MDM.
- To be delivered in a Word format. By September 30, 2018;
- Develop DPLS application and Initial Load Jobs ready for use (RFU) and migrate to the transition environment for User Acceptance testing. By May 31, 2018;
- Bi-Weekly Status Report outlining the Identification of any issues or concerns;

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed.

These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Mar 5, 2018

Initial End Date / Date de fin initiale :

Dec 31, 2018

Extented End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa Ontario K1A 0L8



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	95942096

3. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty - IBM InfoSphere Information Server (IIS) - DataStage and QualityStage	3			\$170,000.00
Estimated Cost / Coût estimatif				\$170,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$22,100.00
Total Estimated Cost / Coût total estimatif				\$192,100.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments including GST/HST is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Perreault Feb 23/18
Name of Authorized Client / Nom du client autorisé Date
Robert Perreault
Signature

Name of Contracting Authority / Nom de
l'autorité contractante Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive Feb 27, 2018
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001614

Commitment No. / N° de
l'engagement :

1000337306

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

February 27, 2018

Response required by /
Réponse requise par :

March 01, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

Extend the end date to August 31, 2018 and add days to the TA.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in PME (probabilistic Matching Engine) - Matching algorithm development	3		English / Anglais	Secret	<div>+ -</div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Programmer/Software Developer - Specialty in PME (Probabilistic Matching Engine) - Matching algorithm development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Tasks



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

The resource will provide CBSA with technical expertise and guidance on the following topics:

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
- Review of MDM detail design document in order to confirm or identify implementation approach;
- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM initial load and incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT truing rules in accordance with CBSA SLMF.

Deliverables

- Provide System Use Cases, system requirements for PME due January 31, 2018;
- Provide detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components due May 31, 2018;
- Provide High Level Design document for PME rules, duplicate suspect processing and data survivorship rules due January 31, 2018;
- Provide Application code, including customizations based on SUCs and iterative tuning rules Due August 31, 2018;
- Configure PME based on iterative tuning requirements. Ongoing to end of TA.
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing to end of TA;
- Perform knowledge transfer to CBSA application support team. Until end of the TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Jan 8, 2018

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Aug 31, 2018

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8 or alternate CBSA location in the National Capital Region.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	3	English / Anglais	Secret		<div><div>+</div><div>-</div></div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div>Programmer/Software Developer - Specialty pME (probabilistic Matching Engine) - Matching algorithm development</div>	3			\$228,000.00
Estimated Cost / Coût estimatif				\$228,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$29,640.00
Total Estimated Cost / Coût total estimatif				\$257,640.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden
Name of Authorized Client / Nom du client autorisé
Robert Penwarden
Signature

March 27/18
Date

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante

Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Alain Sundabaul Act Exec
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]
Signature

March 27/18
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001614

Commitment No. / N° de
l'engagement :

1000337306

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

August 31, 2018

Response required by /
Réponse requise par :

August 31, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

Extend the end date to February 23, 2019 with no extra funds to the TA.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis	
Programmer/Software Developer - Specialty in PME (probabilistic Matching Engine) - Matching algorithm development	3		English / Anglais	Secret	<div><div>+</div><div>-</div></div>

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Programmer/Software Developer - Specialty in PME (Probabilistic Matching Engine) - Matching algorithm development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Tasks



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

The resource will provide CBSA with technical expertise and guidance on the following topics:

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
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- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM initial load and incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT truing rules in accordance with CBSA SLMF.

Deliverables

- Provide System Use Cases, system requirements for PME due January 31, 2018;
- Provide detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components due May 31, 2018;
- Provide High Level Design document for PME rules, duplicate suspect processing and data survivorship rules due January 31, 2018;
- Provide Application code, including customizations based on SUCs and iterative tuning rules Due August 31, 2018;
- Configure PME based on iterative tuning requirements. Ongoing to end of TA.
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing to end of TA;
- Perform knowledge transfer to CBSA application support team. Until end of the TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

• Provide System Use Cases, system requirements for PME due January 31, 2018;

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Jan 8, 2018

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2019

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8 or alternate CBSA location in the National Capital Region.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	3	English / Anglais	Secret		<div>+ -</div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div>grammer/Software Developer - Specialty pME (probabilistic Matching Engine) - Matching algorithm development</div></div> <div>3</div> <div></div> <div></div> <div>\$228,000.00</div>				
Estimated Cost / Coût estimatif				\$228,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$29,640.00
Total Estimated Cost / Coût total estimatif				\$257,640.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

En la Caisse 31 Aug 18
Name of Authorized Client / Nom du client autorisé Date
[Signature]
Signature

[Signature]
Name of Contracting Authority / Nom de l'autorité contractante Date
[Signature]
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM [Signature] 08/31/2018
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical Project Authority) / **PARTIE 1** (complétée par le Responsable technique / Chef de projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2018001614

Commitment No. / N° de
l'engagement :

1000337306

Financial Coding / Code
financier :

192040060/2001/16100

Date of Issuance / Date
d'émission :

Response required by /
Réponse requise par :

Feb 8, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 3

Reason for the Amendment / Raison pour la modification :

Extend the date to February 23, 2020 with days additional level of effort

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer / Software Developer - Speciality in PME (probabilistic Matching Engine) Matching algorithm development	3		English / Anglais	Secret

+

-

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.

Tasks

The resource will provide CBSA with technical expertise and guidance on the following topics:



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
- Review of MDM detail design document in order to confirm or identify implementation approach;
- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM Initial load and Incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT truing rules in accordance with CBSA SLMF.

Deliverables

- Update High Level Design document for PME rules, duplicate suspect processing and data survivorship rules as required;
- Provide Application code, including customizations based on SUCs and iterative tuning rules ongoing until the end of the contract;
- Configure PME based on iterative tuning requirements. Quarterly until the end of the contract.
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing until the end of the contract;
- Perform knowledge transfer to CBSA application support team. Ongoing until the end of the contract;

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Jan 8, 2018

Initial End Date / Date de fin initiale :

Apr 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2020

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 N. River Road, Ottawa, ON K1A 0L8 or alternate CBSA location in the NRC

PART 2 / PARTIE 2

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer / Software Developer - Speciality in PME (probabilistic Matching Engine) Matching algorithm development	3	English / Anglais	Secret		<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux Journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div></div><div></div></div><div>Programmer / Software Developer – Speciality in PME (probabilistic Matching Engine) Matching algorithm development</div></div>	3			\$418,000.00
Estimated Cost / Coût estimatif				\$418,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$54,340.00
Total Estimated Cost / Coût total estimatif				\$472,340.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

TONI DAKOUZE 06 FEB'19
Name of Authorized Client / Nom du client autorisé Date
[Signature]
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Silvana Mansour for Julie Villeneuve
Name of Contracting Authority / Nom de l'autorité contractante Date
Mansour, Silvana Digitally signed by Mansour, Silvana
Date: 2019.02.06 13:11:00 -05'00'
Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT EXEC
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature] Feb 7, 2019
Signature Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2018001614	1000337306	192040060/2001/16100	January 03, 2018	January 05, 2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Programmer/Software Developer - Specialty in PME (Probabilistic Matching Engine) - Matching algorithm development

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates). It is the Contractor's responsibility to identify the resources and the respective level of effort required to perform the following tasks and complete the following deliverables.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Tasks

The resource will provide CBSA with technical expertise and guidance on the following topics:

- Perform analysis of Business User Cases (BUC) and System User Cases (SUC) and create new SUCs as required
- Review of MDM detail design document in order to confirm or identify implementation approach;
- Lead business requirement gathering on party matching scenarios;
- Document the processes and steps needed to build, administer and support all tests, in development and production environments.
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Assist in the design and implementation of IBM MDM server business rule configurations including PME matching rules, duplicate suspect processing rules, data survivorship rules, business validation rules;
- Customize and fine tune MDM PME matching algorithms based on business requirements on an iterative basis. Each iteration is to be reviewed with the Project Authority and subject to their approval;
- Review matching result with business team;
- Support MDM initial load and incremental, iterative MDM process;
- Provide MDM PME matching algorithm with CBSA data source to MDM data mapping document;
- Develop High level design Document based on SUCs and iterative PMT tuning rules in accordance with CBSA SLMF.

Deliverables

- Provide System Use Cases, system requirements for PME due August 31, 2017;
- Provide detailed design documents for all customized code and configurations for IBM InfoSphere MDM server related solution components due October 31, 2017;
- Provide High Level Design document for PME rules, duplicate suspect processing and data survivorship rules due August 31, 2017;
- Provide Application code, including customizations based on SUCs and iterative tuning rules Due October 31, 2017;
- Configure PME based on iterative tuning requirements. Ongoing to March 31, 2018;
- Provide guidance and assistance in performance tuning, load balancing and optimization strategies for MDM Server environment. Ongoing to March 31, 2018
- Perform knowledge transfer to CBSA application support team. Until end of the TA.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

January 08, 2018

Initial End Date / Date de fin initiale :

April 30, 2018

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

NO

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8 or alternate CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in pME (probabilistic Matching Engine) - Matching algorithm development	3	English / Anglais	Secret		<div><div>+</div><div>-</div></div>

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty in pME (Probabilistic Matching Engine) - Matching algorithm development	3			\$152,000.00
Estimated Cost / Coût estimatif				\$152,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$19,760.00
Total Estimated Cost / Coût total estimatif				\$171,760.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert Penwarden
Name of Authorized Client / Nom du client autorisé

Jan 4/18
Date

Robert Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante

Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Jan 8, 2018
Signature

Date



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019002714

Commitment No. / N° de
l'engagement :

1000346181

Financial Coding / Code
financier :

192040060/6001/10400

Date of Issuance / Date
d'émission :

Aug 31, 2020

Response required by /
Réponse requise par :

Sep 11, 2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 4

Reason for the Amendment / Raison pour la modification :

Amendment #4 : PO:2019002714/REQ : 1000346181 / outline agreement REQ : 1000322116 is raised for the following

- Add [REDACTED] days total estimated level of effort as more effort is required. No changes in the statement of work
- Increase total cost from [REDACTED] (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	[REDACTED]	English / Anglais	

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See Attached Annex A - Statement of Work

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Feb 23, 2020

Initial End Date / Date de fin initiale : Feb 23, 2021

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

Feb 23, 2021

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais		

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div></div><div></div></div> Application/Software Architect - Specialty in Master Data Management (MDM) Server	3			\$720,000.00
Estimated Cost / Coût estimatif				\$720,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$93,600.00
Total Estimated Cost / Coût total estimatif				\$813,600.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé _____
 Digitally signed by DAROUZE TONI
 TONI
 Date: 2020.09.24 11:39:16 -04'00'
 Signature _____

Name of Contracting Authority / Nom de l'autorité contractante _____
 Digitally signed by: Michaud, Daniel
 Michaud,
 Daniel
 Date: 2020.09.24 14:21:42 -04'00'
 Signature _____

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham	Account Executive	DocuSigned by: 	2020-09-24
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur		Signature	Date



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM Canada Limited/IBM Canada Limitée

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019001492

Commitment No. / N° de
l'engagement :

1000342264

Financial Coding / Code
financier :

1950 500 20/C00045-21

Date of Issuance / Date
d'émission :

17/09/2018

Response required by /
Réponse requise par :

17/09/2018

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Number of resources: One (1) Test Coordinator - Specialty in IBM MDM, IBM InfoSphere Information Server (IIS) DataStage and QualityStage, and IBM BPM

Title: Test Coordinator - Level 3 – Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced

Background

CBSA requires a test coordinator to assist the MDM Service Manager in the planning, coordination and execution of functional and user acceptance test activities in cooperation with the business owners, testers, test coordinators, project managers and the QA manager for the Agency Master Data Management Project.

The Canada Border Services Agency (CBSA) provides integrated border services that support national security priorities and facilitate the flow of people and goods across the border. The availability of high-quality, authoritative information is critical at all levels of the organization, from executives to front-line workers, and from multiple viewpoints, to foster informed decision making and advance the Agency's intelligence and analytical capacity to respond to a rapidly changing operating environment. Master Data Management (MDM) includes the principles, standards, processes, tools, governance and infrastructure required to establish an authoritative data source for the Agency's people and business identities. Implementation of an enterprise MDM service will provide a reliable, timely and complete (360 degree) authoritative view of the Agency's key business master data. MDM will ensure Agency information in multiple repositories is identified, accounted for and streamlined to ensure sharing and reusable data delivery of the Agency's information assets across all Lines of Business (LoB).

CBSA will be delivering the foundation Enterprise MDM capability in three releases; R458, R448 and R409 and the Entry Exit Project release R553.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

The scope of MDM Release 458 is to setup and prepare infrastructure for release 448 and onboard eManifest MDM to enterprise MDM:

- Acquire and setup enterprise MDM hardware to fulfil commercial and travellers enterprise requirements
 - Install and configure new software for MDM service using MDM Advanced Server v. 11.6, DB2 Server Advanced with PureScale
 - Data Stewardship Centre (DSC) deployed on IBM BPM platform should be installed and configured without any customization.
 - Use production-like R&D environment to test performance of MDM Solution to search and maintain master records using production-sized data set.
- The goal of this exercise is to validate that MDM infrastructure will support enterprise performance requirements
- Migrate eManifest MDM to the new hardware and software
 - eManifest MDM database need to be transferred to the new infrastructure with minimum downtime for eManifest applications
 - Test eManifest applications to make sure MDM functionality is not broken

The scope of MDM Releases 448 and 409 are driven by the following features in support of Entry/Exit Reconciliation and Identity Resolution requirements:

- Design and develop services to resolve and search person biographical data in MDM, received from entry records (PH), exit records (EXIS) and immigration documents (IBAS)
 - Ingest individual identities from immigration documents in IBAS
 - Configure MDM to use probabilistic (fuzzy) and deterministic (exact) search engines to search a person to fulfil IRCC entity search requirements
 - Setup MDM notification framework (pub/sub) to notify subscribers about master data changes
 - Setup Data Stewardship Center (DSC) application to support data steward activities. Delivery of DSC will be pushed to the following release 409 if development team will not be able to develop this function in the timeline of release 448.
 - Tune and optimize performance of MDM services to support Traveller and Commercial programs
 - Design and develop a service to support standardized data preparation and cleaning to support master data ingestion processes
 - Use production-like R&D environment to test performance of MDM Solution to search and maintain master records using production-sized data set.
- The goal of this exercise is to validate that MDM infrastructure will support enterprise performance requirements
- Setup centralized Data Preparation and Loading Service (DPLS). Underlying components should be available in operational high availability mode
 - Set up and provide ongoing data governance and stewardship for Traveller's Master Data sourced from EXIS, PH and IBAS
 - Design and develop new centralized Data Sharing Tracking Service (DSTS)

The MDM scope of Entry Exit Release R553 includes:

- MDM will manage Travel Status rules internal to the MDM application.
- MDM will calculate the Travel Status based on the information contained in the master record.
- Modify MDM Change Notification function to improve the ability for consumers to identify what was changed in MDM.

Objective

To acquire professional services for one Test Coordinator Level 3 to perform the tasks and deliverables below.

Tasks

Expertise (ongoing)

- Provide expertise in all aspects of testing applications developed with the following IBM products: IBM BPM, MDM, and IIS;
- Provide advice, guidance for the development of a test strategy, test plans, test scenarios, test cases, unit tests including recommendations for the selection of automated testing tools, and identification of test environment and resources required for testing

Planning activities (October 2018)

- Gain an understanding of the high level functional design documents including the various interactions and interfaces between the aggregated parts of the integrated solution.
- Establish in cooperation with the business a clear set of success criteria from both a technical and a business perspective.
- Put in place a working group dedicated to the MDM testing.
- Identify the potential High Level Work Packages in which Test Cases could be grouped.
- Build a schedule that includes test planning, execution, control, and configuration management activities.
- Determine the amount of effort and resources associated to its implementation.
- Meet with the key stakeholders.
- Gather information regarding the current Test Environment in order to properly assess what might be missing.
- Identify the gaps across projects in terms of the standards, processes and procedures.
- Identify the various risks related and their associated mitigation measures.

Execution activities (November - March 2019)

- Coordinate the execution of the plan with the required stakeholders.
- Develop, prepare and deliver the following documentation: Test Strategy, Test Plan, Test Cases, Test Scripts (including the ones to be automated for regression testing).
- Identify the Test Cases that are eligible for automation in the context of future functional testing activities (regression).
- Ensure that Test scripts are properly documented, adhere to the Agency's standards, work as specified, and stored.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

- Participate actively and contribute significantly in the elaboration of End to End User Acceptance Test (UAT) Plans
- Follow CBSA Testing standards, processes and tools in order to:
 - o Track and monitor bugs and defects.
 - o Manage both Problem Reports and Change requests.
 - o Maintain and report on problems through a problem log.
 - o Ensure common pieces of test scripts in a common repository.
 - o Ensure the consistency of the various templates, release notations and release packages.
- Gather and report on Test Results and perform an evaluation against a set of predefined Test Success Criteria.

Monitoring and control activities (November to March 2019)

- Report on risks that have been identified as part of the testing activities and apply mitigation measures when the risk occurs. Ensure this is reflected in the plan.
- Report on the progress of all tests being conducted.
- Report on issues or concerns and address them when possible or escalate them to the MDM Service Manager.
- Schedule weekly meeting with the working group as well as the SMEs.

Closure Activities April 2019)

- Provide a final report on all tests that were conducted.
- Perform a post-mortem incorporating lessons learned.

Deliverables

The Contractor shall deliver the following:

- MDM and Data Stewardship Test Strategy including a clear set of success criteria from both a technical and a business perspective.
- Consolidated documentation of test scenarios and test cases
- Functional Test Plans by release for Master Data Management Service including Data Stewardship
- User Acceptance Test (UAT) Plans by release for Master Data Management Service including Data Stewardship
- Test schedules for functional and user acceptance test plans
- Functional and User Acceptance Test reports, test logs, test traceability matrix
- Test Environment Gap Analysis Report
- Risk Report Log - testing related risks and their associated mitigation measures.

Further, please note the following:

- All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint), and HP Quality Center in English.
- All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.
- All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in the Annex A - SOW - Section 12 of the contract number 47060-152116/0011/EL for the acquisition of Professional Services for SOAPS-MDMS-ERASS.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

01/10/2018

Initial End Date / Date de fin initiale :

30/04/2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complète par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profile linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Test Coordinator - Specialty in Test coordination of one or many of the following Products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	3	English / Anglais	Secret	92021872-0001 532656

B. Estimated Cost / Coût estimatif



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Test Coordinator - Specialty in Test Coordination of one or many of the following products: IBM MDM, IBM IIS DataStage and QualityStage, IBM ISII, IBM IIB-ESB, IBM GNM, IBM ODM Standard and Advanced	3			\$148,800.00
Estimated Cost / Coût estimatif				\$148,800.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$19,344.00
Total Estimated Cost / Coût total estimatif				\$168,144.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Robert Penwarden

Name of Authorized Client / Nom du client autorisé

Sept 26, 2018

Date

Name of Contracting Authority / Nom de l'autorité contractante

Date

Robert Penwarden

Signature

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date

Public Works and
Government Services
CanadaTravaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/002/EL		
Contractor Name / Nom du Contracteur :		DONNA CONA INC.		
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2019002451	1000339847	1920400060/6001/10400	Jan 18, 2020	29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement
Amendment No. / N° de la modification : 3
Reason for the Amendment / Raison pour la modification :
Amendment #2 is raised for the following:
1) Extend end date from February 23, 2020 to February 23, 2021;
2) [REDACTED] - Add [REDACTED] days Total;
3) [REDACTED] - add [REDACTED] days Total;
4) Increase total cost from [REDACTED] (All applicable taxes extra).

C. TA Requirements / Exigences relatives à l'AT			
Required Resource(s) / Ressource(s) requise(s)			
Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Infosphere Information Server (IIS) Datastage and Quality Stage Level 3	[REDACTED]	English / Anglais	
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development Level 3	[REDACTED]	English / Anglais	
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)			
See attached / Voir pièce jointe			

Period of Services / Période de service:	
Initial Start Date / Date de début initiale : 24-Jan-2019	Initial End Date / Date de fin initiale : 23-Feb-2021
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage	n/a
Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

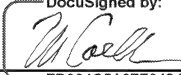
PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif					
<small>Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT</small>					
Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer/Software developer - Specialty in IBM Infosphere Information Server (IIS) Datastage and Quality Stage		English/Anglais			
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development		English/Anglais			
Estimated Cost / Coût estimatif					\$1,683,950.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$218,913.50
Total Estimated Cost / Coût total estimatif					\$1,902,863.50
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract. The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.		En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat. La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.	
Name of Technical Authority / Nom de l'autorité techn DAROUZE TONI Digitally signed by DAROUZE TONI Date: 2020.03.26 14:59:54 -04'00' Signature	Name of Contracting Authority / Nom de l'autorité contractante Michaud, Daniel Digitally signed by: Michaud, Daniel DN: CN = Michaud, Daniel C = CA, O = GC OU = PWGSC-TPSGC Date: 2020.03.27 09:12:41 -04'00' Signature	Date	

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive	DocuSigned by:  Signature	2020-03-27 Date
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : Donna Conna Inc.				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2019002451	1000339847	192040060-6001-34210	February 11, 2019	February 15, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 1	
Reason for the Amendment / Raison pour la modification :	
Amendment #1 is raised for the following: 1) Extend end date from February 23, 2019 to February 23, 2020; 2) Add : days total estimated level of effort for Programmer/Software Developer IIS; 3) Add : days total estimated level of effort for Programmer/Software Developer IIS; 4) Increase total cost from \$290,750.00 to \$961,550.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)	
See Attached Annex A - Statement of Work.	

Period of Services / Période de service:			
Initial Start Date / Date de début initiale :	Jan 24, 2019	Initial End Date / Date de fin initiale :	Feb 23, 2019
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :		Feb 23, 2020	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale			
Travel Requirement(s) / Exigence(s) de voyage :		No travel requirement under this Task Authorization.	
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa, Ontario K1A 0L8 or an alternative CBSA location in the NCR.	





TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	223938-1	+
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	219052-2	-

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3			\$136,000.00
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$825,550.00
Estimated Cost / Coût estimatif				\$961,550.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$125,001.50
Total Estimated Cost / Coût total estimatif				\$1,086,551.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé

PENWARDEN
ROBERT

Signature

Digitally signed by PENWARDEN ROBERT
DN: cn=ca, o=gc, ou=ca, email=penwarden.robert@ca.gc.ca, serialNumber=201506021118149
Date: 2019.02.11 15:25:35 -05'00'

Date

Name of Contracting Authority / Nom de l'autorité contractante

Signature

Villeneuve, Julie 3

Date

Digitally signed by Villeneuve, Julie 3

Date: 2019.02.13 15:31:11 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

MARK COVATTA

Name and Title of Individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur

Mark

Signature

Feb 12, 2014

Date

REQ#: 100033987-2019002451

STATEMENT OF WORK ANNEX A

Title

Canada Border Services Agency requires one (1) Programmer / Software Developer – Level 3 – Specialty in IBM Master Data Management (MDM) – MDM Software Developer (for support)

and

one (1) Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage (for support)

Background

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective

To acquire professional services for one MDM Software Developer to perform second line of support for CBSA MDM production deployment.

Tasks and Deliverables

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

Provide CBSA with technical expertise and guidance on the following topics:

REQ#: 100033987-2019002451

- Review MDM production logs to troubleshoot a potential issue. The issue could be related to MDM core, CBSA extension code, DataStage/QualityStage, BPM with MDM Data Stewardship Center, database, MQ, networking
- Recreate an issue in production support environment if possible
- Find a solution for the issue. Fix and test solution in production support environment
- Support moving fixed code to production environment
- Communicate progress along the way

Deliverables

The Contractor shall provide the following:

- Reports on troubleshooting of production issues (monthly by March 30, 2020);
- Fixed code or configuration (as required by March 30, 2020);
- Document code or configuration changes required for the fix. Documentation should include recommendations for future development to prevent similar issues;
- Knowledge transfer by March 30, 2020;

Skills required

- Extensive experience of developing, troubleshooting and supporting MDM services including DataStage/QualityStage, Data Stewardship Center
- Good communication skills, both verbal and written
- Strong problem-solving skills

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or line (e.g. VPN) be permitted. The contractor must

REQ#: 100033987-2019002451

comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

Support contractor will be able to use CBSA device to perform remote work using CBSA VPN. This device cannot be carried outside of Canada.

Working hours for MDM support has to be 24 hours a day, 7 days a week. Maximum response time for call back should be 15 minutes.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization. Remote work will be allowed using CBSA devices.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019002451

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

192040060/6001/34210

Date of Issuance / Date
d'émission :

Aug 13, 2019

Response required by /
Réponse requise par :

Aug 20, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 2

Reason for the Amendment / Raison pour la modification :

This amendment is being raised to increase the TA by \$57,630 (including taxes), to increase the level of effort by days to the IBM Programmer/Software Developer -Specialty InfoSphere Information Server (IIS) DataStage and QualityStage resource.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
IBM Programmer/Software Developer -Specialty InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached Statement of Work.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Mar 5, 2018

Initial End Date / Date de fin initiale :

Feb 23, 2020

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

N/A

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa Ontario K1A 0L8

PART 3


PART 2



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	223938-1
R	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3	English / Anglais	Secret	219052-2

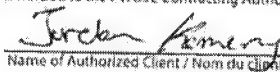
B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div><div>IBM Programmer/Software Developer -Specialty InfoSphere Information Server (IIS) DataStage and QualityStage</div></div>	3			\$187,000.00
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java Development	3			\$825,550.00
Estimated Cost / Coût estimatif				\$1,012,550.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$131,631.50
Total Estimated Cost / Coût total estimatif				\$1,144,181.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.


Name of Authorized Client / Nom du client autorisé

Date

Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$1,200,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante

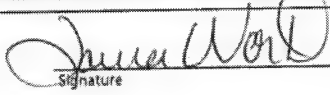
Date

Michaud, Daniel
Digitally signed by Michaud, Daniel
Date: 2019.08.30 12:24:51 -04'00'

Signature



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 - CONTRACTOR SIGNATURE / PARTIE 1 - SIGNATURE DU CONTRACTEUR		
<u>Laura Worthington Account Executive</u> <u>Marie Goldheim</u>	<u></u> Signature	<u>Aug 14 / 19</u> Date
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur		



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019002451

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

192040060-6001-34210

Date of Issuance / Date
d'émission :

Jan 21, 2019

Response required by /
Réponse requise par :

Jan 23, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3		English / Anglais	Secret
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Jan 24, 2019

Initial End Date / Date de fin initiale : Aug 31, 2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage : No travel requirement under this Task Authorization.

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, Ontario K1A 0L8 or an alternative CBSA location in the NCR.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3	English / Anglais	Secret	223938-1	+
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	219052-2	-

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty in IBM InfoSphere Information Server (IIS) DataStage and QualityStage	3			\$34,000.00
- Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3			\$256,750.00
Estimated Cost / Coût estimatif				\$290,750.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$37,797.50
Total Estimated Cost / Coût total estimatif				\$328,547.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Name of Authorized Client / Nom du client autorisé
Date: 2019-01-28

Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de l'autorité contractante
Date

Signature
Digitally signed by Villeneuve, Julie 3
Date: 2019.01.29 15:23:39 -05'00'

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

<u>MACK GOLDMAN AE</u>	<u>[Signature]</u>	<u>01/29/2019</u>
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur	Signature	Date



Public Works and
Government Services
Canada

Services publics et
Travaux publics
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/002/EL				
Contractor Name / Nom du Contracteur : Donna Conna Inc.				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of issuance / Date d'émission :	Response required by / Réponse requise par :
2019002452	1000339847	192040060-6001-34210	February 11, 2019	February 15, 2019

For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :	1
Reason for the Amendment / Raison pour la modification :	
Amendment #1 is raised for the following:	
1) Extend end date from May 31, 2019 to February 23, 2020;	
2) Add days total estimated level of effort;	
3) Increase total cost from \$144,175.00 to \$474,000.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
See Attached Annex A - Statement of Work.				

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	Jan 24, 2019
Initial End Date / Date de fin initiale :	May 31, 2019
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :	February 23, 2020
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Travel Requirement(s) / Exigence(s) de voyage :	No travel requirement under this Task Authorization.
Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario K1A 0L8 or an alternative CBSA location in the NCR.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur
Note: Once approved, only the following resource may provide service under this TA. / Note: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	1025681	+

Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Programmer/Software Developer - Specialty - BM Master Data Management (MDM) - Java development	3			\$474,000.00
Estimated Cost / Coût estimatif				\$474,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$61,620.00
Total Estimated Cost / Coût total estimatif				\$535,620.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Authorized Client / Nom du client autorisé</p> <p>PENWARDEN</p> <p>ROBERT</p> <p>Signature</p>	<p>Name of Contracting Authority / Nom de l'autorité contractante</p> <p>Villeneuve, Julie 3</p> <p>Signature</p>
<p>Date</p>	<p>Date</p> <p>Digitally signed by Villeneuve, Julie 3 Date: 2019.02.14 08:59:05 -05'00'</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<p><i>Mike Colman</i></p> <p>Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur</p>	<p><i>Feb 12, 2019</i></p> <p>Signature</p> <p>Date</p>
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TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 / **PARTIE 1** (to be completed by the Contracting Authority) / (à compléter par le responsable technique / chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : Donna Conna Inc.

Task Authorization (TA) No. / N°
de l'autorisation de tâches (AT) :

2019002452

Commitment No. / N° de
l'engagement :

1000339847

Financial Coding / Code
financier :

192040060-6001-34210

Date of Issuance / Date
d'émission :

Jan 21, 2019

Response required by /
Réponse requise par :

Jan 23, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer/Software Developer - Specialty in IBM Master Data Management (MDM) - Java development	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached.

Period of Services / Période de service:

Initial Start Date / Date de début initiale :

Jan 24, 2019

Initial End Date / Date de fin initiale :

May 31, 2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage :

No travel requirement under this Task Authorization.

Work Location(s) / Lieu(x) de travail :

333 North River Road, Ottawa, Ontario K1A 0L8 or an alternative CBSA location in the NCR.

PART 2 / **PARTIE 2** (to be completed by the Contractor or the Technical Authority) / (à compléter par le contracteur ou le responsable technique / chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	• Programmer/Software Developer - Specialty In IBM Master Data Management (MDM) - Java development	3	English / Anglais	Secret	1025681	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie		Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div>+ -</div>	grammer/Software Developer - Specialty IBM Master Data Management (MDM) - Java development	3			\$144,175.00
Estimated Cost / Coût estimatif					\$144,175.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxe % applied / % de taxes appliquées		13.000	Applicable Taxes / Taxes applicables		\$18,742.75
Total Estimated Cost / Coût total estimatif					\$162,917.75

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

Robert P. Penwarden 2019-01-28
Name of Authorized Client / Nom du client autorisé Date
Robert P. Penwarden
Signature

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Contracting Authority / Nom de
l'autorité contractante Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COLDHAM ACCOUNT REP
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre
de la personne autorisée à signer au nom de l'entrepreneur

Mark 01/29/2019
Signature Date



Public Works and
Government Services
Travaux publics et
Services gouvernementaux

Travaux publics et
Services gouvernementaux

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (Completed by the Technical/Project Authority) / **PARTIE 1** (complétée par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL

Contractor Name / Nom du Contracteur : DONNA CONA INC.

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
20190002714	1000346181	192040060/6001/16100	Jul 8, 2019	Jul 12, 2019

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : 1

Reason for the Amendment / Raison pour la modification :

Amendment #1 is being raised to revise the level of effort by adding days.

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profil linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3		English / Anglais	Reliability / Fiabilité

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See Attached Annex A - Statement of Work.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : April 1, 2019 Initial End Date / Date de fin initiale : February 23, 2020

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage : No

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region.

PART 2 (Completed by the Contractor and by the Technical/Project Authority) / **PARTIE 2** (complétée par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: Once approved, only the following resources may provide services under this TA. / Note: Une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC
[REDACTED]	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais	Reliability / Fiabilité	95841252

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3			\$225,000.00
Estimated Cost / Coût estimatif				\$225,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$29,250.00
Total Estimated Cost / Coût total estimatif				\$254,250.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certifies that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant le TPS/TVA) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Jordan Komery

Name of Authorized Client / Nom du client autorisé

Date

KOMERY JORDAN

Digitally signed by KOMERY JORDAN

Date: 2019.08.02 08:01:10 -04'00'

Signature

Name of Contracting Authority / Nom de l'autorité contractante

Date

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

MARK COWHAM ACCOUNT EXECUTIVE

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

[Signature]

Signature

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/002/EL		
Contractor Name / Nom du Contracteur :		DONNA CONA INC.		
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
20190002714	1000346181	1920400060/6001/10400	Jan 18, 2020	29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 2	
Reason for the Amendment / Raison pour la modification :	
Amendment #1 is raised for the following:	
1) Extend end date from February 23, 2020 to February 23, 2021;	
2) Add days total estimated level of effort;	
3) Increase total cost from 225,000.00 to 468,000.00 (All applicable taxes extra).	

C. TA Requirements / Exigences relatives à l'AT			
Required Resource(s) / Ressource(s) requise(s)			
Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Maaster Data Management (MDM) Server Level 3		English / Anglais	
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)			
See attached / Voir pièce jointe			

Period of Services / Période de service:			
Initial Start Date / Date de début initiale :	01-Apr-2019	Initial End Date / Date de fin initiale :	23-Feb-2021
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):			
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale			
Optional End Date(s) / Date(s) de fin optionnelle(s)		Status / Statut	
X		<input type="radio"/> In Effect / en vigueur	
Travel Requirement(s) / Exigence(s) de voyage n/a			

Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region
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PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif					
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT					
Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Application/Software Architect - Specialty in IBM Maaster Data Management (MDM) Server		English/Anglais			\$495,000.00
Estimated Cost / Coût estimatif					\$495,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$64,350.00
Total Estimated Cost / Coût total estimatif					\$559,350.00
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Technical Authority / Nom de l'autorité techni Date</p> <p>DAROUZE TONI</p> <p>Digitally signed by DAROUZE TONI Date: 2020.03.31 07:45:06 -04'00'</p> <p>Signature</p>	<p>Name of Contracting Authority / Nom de l'autorité contractante Date</p> <p>Michaud, Daniel</p> <p>Digitally signed by: Michaud, Daniel DN: CN = Michaud, Daniel C = CA O = GC OJ = PWGSC-TPSGC Date: 2020.04.06 12:25:47 -04'00'</p> <p>Signature</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<p>MARK COLDHAM</p> <p>Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur</p>	<p><i>Michaud</i></p> <p>Signature</p>	<p>Feb 26, 2020</p> <p>Date</p>
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Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/002/EL		Contractor Name / Nom du Contracteur : DONNA CONA INC.		Response required by / Réponse requise d'ici le :
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	
20190002714	1000346181	1920400060/6001/10400	Jan 18, 2020	29-Jan-2020

B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification : **3**

Reason for the Amendment / Raison pour la modification :

Amendment # is raised for the following:

1) To replace resource [REDACTED]

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category and Level / Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Maaster Data Management (MDM) Server Level 3		English / Anglais	

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

See attached / Voir pièce jointe

Period of Services / Période de service:

Initial Start Date / Date de début initiale : **01-Apr-2019** Initial End Date / Date de fin initiale : **23-Feb-2021**

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
X	<input type="radio"/> In Effect / en vigueur

Travel Requirement(s) / Exigence(s) de voyage: n/a

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif


Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
J██████████ - Terminated 2020-05-04 Application/Software Architect - Specialty in IBM Maaster Data Management (MDM) Server		English/Anglais			\$206,550.00
██████████ - Active 2020-05-14 Application/Software Architect - Specialty in IBM Maaster Data Management (MDM) Server		English/Anglais			\$288,450.00
Estimated Cost / Coût estimatif					\$495,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxes % applied # % taxes appliquées	13	Applicable Taxes / Taxes applicables			\$64,350.00
Total Estimated Cost / Coût total estimatif					\$559,350.00
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :		Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme :	<input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract. The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.		En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat. La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.	
Name of Technical Authority / Nom de l'autorité techn DAROUZE TONI Digitally signed by DAROUZE TONI Date: 2020.05.15 10:23:39 -04'00' Signature	Name of Contracting Authority / Nom de l'autorité contractante CASTONGUAY KARIEANNE Digitally signed by CASTONGUAY KARIEANNE DN: C=ca, O=cs, OU=ccra-ado, OU=PERSONNEL, SERIALNUMBER=2019058112701000 + CN=CASTONGUAY KARIEANNE Reason: I am approving this document with my legally binding signature Location: Date: 2020-05-14 10:02:12 Foxit PhantomPDF Version: 6.4.1 Signature	Date	

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mark Coldham Account Executive	DocuSigned by:  FD984C5A97F0424...	2020-05-14 Date
Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur		



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/002/EL		
Contractor Name / Nom du Contracteur :		DONNA CONA INC.		
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
20190002714	1000346181	192040060/6001/16100	February 11, 2019	February 15, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification :	
Reason for the Amendment / Raison pour la modification :	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3		English / Anglais	Reliability / Fiabilité
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
See Attached Annex A - Statement of Work.				

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	April 1, 2019
Initial End Date / Date de fin initiale :	February 23, 2020
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Travel Requirement(s) / Exigence(s) de voyage :	No
Work Location(s) / Lieu(x) de travail :	333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region.

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur
Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3	English / Anglais	Reliability / Fiabilité	95841252	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie		Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div>+</div><div>-</div></div>	lication/Software Architect - Specialty in IBM Master Data Management (MDM) Server	3			\$90,000.00
Estimated Cost / Coût estimatif					\$90,000.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Taxe % applied / % de taxes appliquées		13.000	Applicable Taxes / Taxes applicables		\$11,700.00
Total Estimated Cost / Coût total estimatif					\$101,700.00

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$300,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$300,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé _____ Date _____

Name of Contracting Authority / Nom de l'autorité contractante _____ Date _____

PENWARDEN ROBERT
Digitally signed by PENWARDEN ROBERT
DN: cn=PENWARDEN ROBERT, o=PWGSC, email=penwarden-robert@pwgsc.gc.ca, c=CA
Quoted-Printable: 11 15 54 27 40 00

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<u>MARK COLMAN</u> Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur	<u></u> Signature	<u>Feb 12, 2019</u> Date
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1000346181-2019002714

**STATEMENT OF WORK
ANNEX A**

Title:

Canada Border Services Agency requires one (1) Application/Software Architect - Specialty in IBM Master Data Management (MDM) Server Background Level 3

Background:

The Canada Border Services Agency (CBSA) is undertaking an ambitious agenda of change in support of various Beyond the Border initiatives and Border modernization efforts. The Information, Science and Technology Branch (ISTB) support these efforts with oversight and alignment of major capital projects and the associated information technology solutions. Traditional IT functions have been augmented with program directorates that drive business transformation efforts and alignment of business solutions in portfolios for Travelers, Commercial, Common and Corporate projects.

To advance the planning, development and implementation of the Agency's transformation agenda, ISTB is implementing an enterprise approach to the management of its portfolio of systems, projects and services.

In support of the above, the Common Services Portfolio Directorate (CSPD) has undertaken the Master Data Management Service (MDMS), to put in place an Enterprise Building Blocks that can be leveraged by other initiatives including the Entry/Exit (E/E), BioMetrics and UPASS projects. The delivery of the Entry/Exit project is dependent on successful delivery of the foundational components found in MDMS.

Objective:

To acquire professional services for one (1) Application/Software Developer Level 3 to perform the tasks and deliverables below.

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Tasks and Deliverables:

The Contractor must provide the professional services to perform the following tasks and deliver the following project deliverables, first in draft format, to be followed by a final product incorporating comments of the CSPD project manager (or their delegates).

Tasks

Provide CBSA with technical expertise and guidance on the following topics:

- Develop industry best practices in performance tuning, load balancing and optimization; strategies for IBM InfoSphere MDM Server environment;
- Provide weekly scheduled knowledge transfer sessions to CBSA application support team;
- Develop best practices for IBM MDM implementation;
- Review and comment on MDM and other CBSA Data sources data mapping;
- Review and comment on MDM data mapping and MDM business functional requirement;
- Review and comment on CBSA non-functional requirements;
- Provide adhoc assistance and guidance to the MDM development team;
- Prepare test cases and provide input to test plans to validate final designs in collaboration with the CBSA test coordinator(s);
- Provide guidance to the project manager for HR planning;
- Configure MDM security frameworks and integration with CBSA security policy and identity stores;
- Review and comment on MDM performance tuning; and
- Follow InfoTrellis assessment methodology to review CBSA's cloud strategy;
- Review overall MDM architecture and identify alignments/gaps against CBSA's objective;
- Review already implemented integrations and the approach;
- Review key integration concerns, issues, and errors;
- Meetings with CDI consumers where applicable;

Deliverables :

The Contractor shall provide the following:

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- Contractor will deliver the summary document identifying alignments/gaps against CBSA's Architecture objective within 4 weeks of start date;
- Produce and/or update MDM, and DPLS ICDs by end of TA;
- Review and update as required, MDM components detailed design document. Architecture Design Specification (ADS) parts 3 & 4 documents for CDR by end of TA;
- Provide review and comments on already implemented integrations and its approach within 4 weeks of start date;
- Provide review and comments on key integration concerns, issues, and errors within 4 weeks of start date;
- Review key HL integration concerns and map new integrations and find HL functionality gaps by April 30, 2019;
- Identify migration approach to meet CBSA's strategic & tactical needs by May 31, 2019;
- Determine roadmap to migrate MDM solution system by June 30, 2019.

All deliverables must be provided in conformance with CBSA's standard desktop operating software which is Microsoft Office Suite (including Word, Excel, Visio and PowerPoint) and Archimate in English.

All deliverables must be provided in a manner that permits integration with CBSA's technical and operational environment as specified by the Project Authority. All deliverables must be in the format of or compatible with the (SLMF) Service Life Cycle Management Framework.

All deliverables must be provided to the Project Authority for their review and acceptance. Should there be problems or issues with the deliverables being presented, the Project Authority will notify the resource of the items that must be modified within five (5) business days of receipt of the deliverable.

Technical Environment

As defined in Section 12 of the contract number 47060-152116/002/EL.

Constraints

At no time and in no way is CBSA data to be removed from CBSA sites, nor will access to or from the Contractor's IT systems through the use of a session or ling (e.g. VPN) be permitted. The contractor must comply with CBSA internal security policies, directives, standards, and guidelines at all times during the contract.

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The CBSA's working hours are between 07:00 to 18:00 Monday through Friday, except for Statutory Holidays where Government Offices are closed. These are core hours and are not representative of the duration of a Contractor's work day.

Language

The proposed Resource will be required to perform the work in English. Every individual proposed in its bid will be fluent in English. The individual proposed must be able to communicate orally and in writing in English without any assistance and with minimal errors.

Reporting Requirements

If a TA has been authorized, the resource must provide a weekly status report in MS Word electronically to the Project Authority outlining what work was undertaken during the reporting period, what work is still outstanding, and any issues or concerns that the resource wants to identify to the attention of the Project Authority. The status reports must also be supported by a monthly detailed time sheet mapped to deliverables, using standard template.

Location of Work

The work is expected to be performed on CBSA premises located at 333 North River Road, Ottawa, Ontario, K1A 0L8 or an alternative CBSA location in the National Capital Region. There is no travel requirement under this Task Authorization.

Client Support

The contractor will be provided with a CBSA user ID, password, workstation and e-mail address and other materials (supporting documentation) as required. CBSA will provide each resource with a building access pass, network account when working in CBSA premises.



TASK AUTHORIZATION FORM

FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / PARTIE 1 (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat : 47060-152116/001/EL				
Contractor Name / Nom du Contracteur : IBM				
Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) :	Commitment No. / N° de l'engagement :	Financial Coding / Code financier :	Date of Issuance / Date d'émission :	Response required by / Réponse requise par :
2019003062	1000335563	191160010	June 1, 2019	June 28, 2019

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification : 1	
Reason for the Amendment / Raison pour la modification :	
Time extension	

C. TA Requirements / Exigences relatives à l'AT				
Required Resource(s) / Ressource(s) requise(s)				
Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)				
Please see the attached SOW for details pertaining to the work being completed under this task authorization.				
Period of Services / Période de service:				
Initial Start Date / Date de début initiale :		April 6, 2017	Initial End Date / Date de fin initiale : May 31, 2019	
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :			June 28, 2019	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale				
Travel Requirement(s) / Exigence(s) de voyage :		N/A		
Work Location(s) / Lieu(x) de travail :		333 North River Road, Ottawa, ON (National Capital Region)		

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / PARTIE 2 (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur	
Note: once approved, only the following resources may provide services under this TA. / Nota: une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.	



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
+ Application/Software Architect - specialty in Integration Bus (IIB) - Enterprise Service Bus (ESB)	3			\$96,250.00
Estimated Cost / Coût estimatif				\$96,250.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$12,512.50
Total Estimated Cost / Coût total estimatif				\$108,762.50

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

The client's authorization limit is \$1,200,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

La limite d'autorisation du client est \$1,200,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.

Name of Authorized Client / Nom du client autorisé

Date

Name of Contracting Authority / Nom de l'autorité contractante

Date

Signature

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

Signature

Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complète par le Responsable technique / Chargé du projet)

A. General Information / Informations générales

Contract Number / Numéro du contrat : 47060-152116/001/EL

Contractor Name / Nom du Contracteur : IBM

Task Authorization (TA) No. / N° de l'autorisation de tâches (AT) : 2C19003062	Commitment No. / N° de l'engagement : 1000335563	Financial Coding / Code financier : 1950-500-20	Date of Issuance / Date d'émission : Mar 20, 2019	Response required by / Réponse requise par : Mar 25, 2019
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B. For Amendments Only / Aux fins de modification seulement

Amendment No. / N° de la modification :

Reason for the Amendment / Raison pour la modification :

C. TA Requirements / Exigences relatives à l'AT

Required Resource(s) / Ressource(s) requise(s)

Category / Catégorie	Level / Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3		English / Anglais	Secret

Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)

Please see the attached SOW for details pertaining to the work being completed under this task authorization.

Period of Services / Période de service:

Initial Start Date / Date de début initiale : Mar 25, 2019

Initial End Date / Date de fin initiale : May 31, 2019

Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification) :

☐ Option To Extend Initial End Date / Option pour prolonger la date de fin initiale

Travel Requirement(s) / Exigence(s) de voyage : N/A

Work Location(s) / Lieu(x) de travail : 333 North River Road, Ottawa, ON (National Capital Region)

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complète par le Contracteur et/ou le Responsable technique / Chargé du projet)

A. Contractor Resource(s) / Ressource(s) du Contracteur

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT.



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

Name / Nom	Category / Catégorie	Level / Niveau	Linguistic Profile / Profil linguistique	Level of Security / Niveau de sécurité	PWGSC Security File No. / N° du dossier de sécurité TPSGC	
	Application/Software Architect - specialty in IBM Integration Bus (IIB) - Enterprise Service Bus (ESB)	3	English / Anglais	Secret	93080390	<div>+ -</div>

B. Estimated Cost / Coût estimatif

Category / Catégorie	Level / Niveau	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Cost / Coût estimatif
<div><div><div>+</div><div>-</div></div>Application/Software Architect - specialty in Integration Bus (IIB) - Enterprise Service Bus (ESB)</div>	3			\$96,250.00
Estimated Cost / Coût estimatif				\$96,250.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie				\$0.00
Taxe % applied / % de taxes appliquées	13.000	Applicable Taxes / Taxes applicables		\$12,512.50
Total Estimated Cost / Coût total estimatif				\$108,762.50

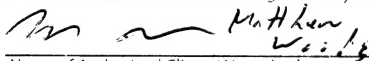
PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.

En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.

The client's authorization limit is \$1,200,000.00. When the value of a TA and its amendments (including GST/HST) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.

La limite d'autorisation du client est \$1,200,000.00. Lorsque la valeur de l'AT et ses modifications (incluant la TPS/TVH) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.


Name of Authorized Client / Nom du client autorisé
Date: March 18, 2019

Name of Contracting Authority / Nom de l'autorité contractante
Date


Signature

Signature

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

Mitchell Carkner - Signing Authority


Signature

Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre de la personne autorisée à signer au nom de l'entrepreneur

March 19th, 2019
Date



TASK AUTHORIZATION FORM FORMULAIRE D'AUTORISATION DE TÂCHES

PART 1 (completed by the Technical/Project Authority) / **PARTIE 1** (complété par le Responsable technique / Chargé du projet)

A. General Information / Informations générales				
Contract Number / Numéro du contrat :		47060-152116/001/EL		
Contractor Name / Nom du Contracteur :		IBM		
Task Authorization (TA) No. N° de l'autorisation de tâches (AT) :	Commitment No. N° de l'engagement :	Financial Coding Code financier :	Date of Issuance Date d'émission :	Response required by Réponse requise d'ici le :
2020000349	1000346513	191120030	Jan 28, 2020	28-Jan-2020

B. For Amendments Only / Aux fins de modification seulement	
Amendment No. / N° de la modification :	
Reason for the Amendment / Raison pour la modification :	
1) Extend end date from January 30, 2020 to January 31, 2021;	
2) Add <u> </u> total estimated level of effort;	
3) Increase total cost from \$341,185.00 to \$746,460.00 (All applicable taxes extra)	

C. TA Requirements / Exigences relatives à l'AT			
Required Resource(s) / Ressource(s) requise(s)			
Category and Level Catégorie et Niveau	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Linguistic Profile / Profile linguistique	Required Level(s) of Security / Niveau(x) de sécurité requis
Programmer / Software Developer - Specialty in IBM Operation Decision Manager (ODM) Standard and ODM Advanced		English / Anglais	Secret
Statement of Work (tasks, deliverables, reports, etc.) / Énoncé des travaux (tâches, livrables, rapports, etc.)			
See attached / Voir pièce jointe			

Period of Services / Période de service:	
Initial Start Date / Date de début initiale :	03-Jun-2019
Initial End Date / Date de fin initiale :	29-Jan-2021
Extended End Date (See Reason for the Amendment) / Date de fin prolongée (voir Raison pour la modification):	
<input type="checkbox"/> Option To Extend Initial End Date / Option pour prolonger la date de fin initiale	
Optional End Date(s) / Date(s) de fin optionnelle(s)	Status / Statut
	<input type="radio"/> In Effect / en vigueur
Travel Requirement(s) / Exigence(s) de voyage n/a	
Work Location(s) / Lieu(x) de travail :	333 North River Road

PART 2 (completed by the Contractor and/or the Technical/Project Authority) / **PARTIE 2** (complété par le Contracteur et/ou le Responsable technique / Chargé du projet)

Contractor Resource(s) and Estimated Cost / Ressource(s) du Contracteur et Coût total estimatif

Note: once approved, only the following resources may provide services under this TA. / Nota : une fois approuvée, seules les ressources suivantes peuvent fournir des services sous la présente AT

Name / Nom Category and Level / Catégorie et Niveau	PWGSC Security File No. / N° du dossier de sécurité TPSGC	Linguistic Profile / Profil linguistique	Per Diem Rate / Taux journalier	Estimated Level of Effort (days) / Niveau d'effort estimatif (jours)	Total Estimated Cost / Coût total estimatif
Programmer / Software Developer - Specialty in IBM Operation Decision Manager (ODM) Standard and ODM		English			\$746,460.00
Estimated Cost / Coût estimatif					\$746,460.00
Total Estimated Travel and Living Cost / Coût total estimatif de voyage et de vie					\$0.00
Total Estimated Cost / Coût total estimatif					\$746,460.00
Check applicable Basis of Payment / Cocher la Base de Paiement applicable :			Maximum Price / Prix Maximum :	<input type="checkbox"/>	Firm Price / Prix Ferme : <input type="checkbox"/>

PART 3 - TA APPROVAL BY CANADA / PARTIE 3 - APPROBATION DE L'AT PAR LE CANADA

<p>By signing this TA, the authorized client authority and/or the PWGSC Contracting Authority certify(ies) that the content of this TA is in accordance with the conditions of the Contract.</p> <p>The client's authorization limit is \$150,000. When the value of a TA and its amendments (excluding Applicable Taxes) is in excess of this limit, the TA must be signed by the authorized client and forwarded to the PWGSC Contracting Authority for authorization.</p>	<p>En apposant sa signature sur l'AT, le client autorisé et/ou l'autorité contractante de TPSGC atteste(nt) que le contenu de cette AT est conforme aux conditions du contrat.</p> <p>La limite d'autorisation du client est 150,000 \$. Lorsque la valeur de l'AT et ses modifications (excluant les taxes applicables) dépasse cette limite, l'AT doit être signée par le client autorisé et transmise à l'autorité contractante de TPSGC pour autorisation.</p>
<p>Name of Technical Authority / Nom de l'autorité techni Date</p> <p><u>TOULDAROUZE</u></p> <p>Signature</p> <p><u>Corne Darouze</u></p>	<p>Name of Contracting Authority / Nom de l'autorité contractante Date</p> <p>CASTONGUA Y KARRIERNE</p> <p>Signature</p> <p>Digitally signed by CASTONGUAY KARRIERNE DN: C=ca, O=gc, OU=ccra-adro, OU=PERSONNEL, SERIALNUMBER=2019058112701000 + CN=CASTONGUAY KARRIERNE Reason: I am the author of this document Location: Date: 2020-01-28 15:58:56 Foxit PhantomPDF Version: 9.4.1</p>

PART 4 - CONTRACTOR SIGNATURE / PARTIE 4 - SIGNATURE DU CONTRACTEUR

<p><u>Melanie Gilbert, Associate Partner</u></p> <p>Name and Title of individual authorized to sign on behalf of the Contractor / Nom et titre Signature de la personne autorisée à signer au nom de l'entrepreneur</p>	<p><u>[Signature]</u></p> <p>Signature</p>	<p><u>Jan 28 2020</u></p> <p>Date</p>
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